

# CPC COOPERATIVE PATENT CLASSIFICATION

## A HUMAN NECESSITIES

### HEALTH; AMUSEMENT

#### A61 MEDICAL OR VETERINARY SCIENCE; HYGIENE

#### A61F FILTERS IMPLANTABLE INTO BLOOD VESSELS; PROSTHESES; DEVICES PROVIDING PATENCY TO, OR PREVENTING COLLAPSING OF, TUBULAR STRUCTURES OF THE BODY, e.g. STENTS; ORTHOPAEDIC, NURSING OR CONTRACEPTIVE DEVICES; FOMENTATION; TREATMENT OR PROTECTION OF EYES OR EARS; BANDAGES, DRESSINGS OR ABSORBENT PADS; FIRST-AID KITS (dental prosthetics [A61C](#))

##### WARNINGS

1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

<a href="#">A61F 2/56</a>	covered by	<a href="#">A61F 2/54</a>
<a href="#">A61F 2/62</a>	covered by	<a href="#">A61F 2/60</a>
<a href="#">A61F 5/045</a>	covered by	<a href="#">A61G 13/12</a>
<a href="#">A61F 5/052</a>	covered by	<a href="#">A61F 5/05</a>
<a href="#">A61F 5/447</a>	covered by	<a href="#">A61F 5/445</a>
<a href="#">A61F 5/452</a>	covered by	<a href="#">A61F 5/451</a>
<a href="#">A61F 5/457</a>	covered by	<a href="#">A61F 5/451</a>
<a href="#">A61F 5/458</a>	covered by	<a href="#">A61F 5/451</a>
<a href="#">A61F 6/10</a>	covered by	<a href="#">A61F 6/08</a>
<a href="#">A61F 9/01</a>	covered by	<a href="#">A61F 9/00802</a> - <a href="#">A61F 9/00825</a>
<a href="#">A61F 9/011</a>	covered by	<a href="#">A61F 9/00802</a> - <a href="#">A61F 9/00825</a>
<a href="#">A61F 13/22</a>	covered by	<a href="#">A61F 13/206</a>
<a href="#">A61F 13/24</a>	covered by	<a href="#">A61F 13/2045</a>
<a href="#">A61F 13/30</a>	covered by	<a href="#">A61F 13/26</a>
<a href="#">A61F 13/32</a>	covered by	<a href="#">A61F 13/26</a>
<a href="#">A61F 13/40</a>	covered by	<a href="#">A61M 35/006</a>

2. {In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.}

<b>2/00</b>	<b>Filters implantable into blood vessels; Prostheses, i.e. artificial substitutes or replacements for parts of the body; Appliances for connecting them with the body; Devices providing patency to, or preventing collapsing of, tubular structures of the body, e.g. stents (as cosmetic articles, see the relevant subclasses, e.g. wigs, hair pieces, <a href="#">A41G 3/00</a>, <a href="#">A41G 5/00</a>; artificial nails <a href="#">A45D 31/00</a>; dental prostheses <a href="#">A61C 13/00</a>; materials for prostheses <a href="#">A61L 27/00</a>; artificial hearts <a href="#">A61M 60/00</a>; artificial kidneys <a href="#">A61M 1/14</a>)</b>	2/0027	. . . {inflatable}
		2/0031	. . {for constricting the lumen; Support slings for the urethra}
		2/0036	. . . {implantable ( <a href="#">A61F 2/0018</a> takes precedence)}
		2/004	. . . . {inflatable}
		2/0045	. . . . {Support slings}
		2/005	. . . {with pressure applied to urethra by an element placed in the vagina}
		2/0054	. . . {with pressure applied to urethra by an element placed around the penis, e.g. penis clamp}
		2/0059	. {Cosmetic or alloplastic implants ( <a href="#">A61F 2/10</a> - <a href="#">A61F 2/16</a> , <a href="#">A61F 2/28</a> take precedence)}
		2/0063	. {Implantable repair or support meshes, e.g. hernia meshes}
		2002/0068	. . {having a special mesh pattern}
		2002/0072	. . {Delivery tools therefor}
		2/0077	. {Special surfaces of prostheses, e.g. for improving ingrowth ( <a href="#">A61F 2/30767</a> takes precedence)}
		2002/0081	. . {directly machined on the prosthetic surface, e.g. holes, grooves ( <a href="#">A61F 2/30771</a> takes precedence)}
2002/0086	. . {for preferentially controlling or promoting the growth of specific types of cells or tissues}		
2/0004	. {Closure means for urethra or rectum, i.e. anti-incontinence devices or support slings against pelvic prolapse}		
2/0009	. . {placed in or outside the body opening close to the surface of the body (plugging an opening in the wall of a hollow or tubular organ <a href="#">A61B 17/0057</a> )}		
2/0013	. . . {inflatable}		
2/0018	. . . {magnetic}		
2/0022	. . {placed deep in the body opening (occluding blood vessels by internal devices <a href="#">A61B 17/12022</a> )}		

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2002/009	. . {for hindering or preventing attachment of biological tissue}	2002/077	. . . . {having means to fill the space between stent-graft and aneurysm wall, e.g. a sleeve}
2002/0091	. . . {Having cellular growth inhibitors}	2/08	. . Muscles; Tendons; Ligaments {(sutures <a href="#">A61B 17/04</a> )}
2/0095	. {Packages or dispensers for prostheses or other implants (for intraocular lenses <a href="#">A61F 2/1691</a> ; for dental surgery <a href="#">A61C 19/02</a> )}	2/0805	. . . {Implements for inserting tendons or ligaments}
2/01	. Filters implantable into blood vessels	2/0811	. . . {Fixation devices for tendons or ligaments}
2/0103	. . {With centering means}	2002/0817	. . . . {Structure of the anchor}
2/0105	. . {Open ended, i.e. legs gathered only at one side}	2002/0823	. . . . {Modular anchors comprising a plurality of separate parts}
2/0108	. . {Both ends closed, i.e. legs gathered at both ends}	2002/0829	. . . . . {without deformation of anchor parts, e.g. fixation screws on bone surface, extending barbs, cams, butterflies, spring-loaded pins}
2/011	. . {Instruments for their placement or removal}	2002/0835	. . . . . {with deformation of anchor parts, e.g. expansion of dowel by set screw}
2/012	. . {Multiple filtering units}	2002/0841	. . . . . {Longitudinal channel for insertion tool running through the whole tendon anchor, e.g. for accommodating bone drill, guidewire}
2/013	. . {Distal protection devices, i.e. devices placed distally in combination with another endovascular procedure, e.g. angioplasty or stenting}	2002/0847	. . . . . {Mode of fixation of anchor to tendon or ligament}
2/014	. . . {Retrograde blood flow filters, i.e. device inserted against the blood flow direction}	2002/0852	. . . . . {Fixation of a loop or U-turn, e.g. eyelets, anchor having multiple holes}
2002/015	. . . {Stop means therefor}	2002/0858	. . . . . {Fixation of tendon or ligament between anchor and bone, e.g. interference screws, wedges}
2002/016	. . {made from wire-like elements}	2002/0864	. . . . . {Fixation of tendon or ligament between anchor elements, e.g. by additional screws in the anchor, anchor crimped around tendon}
2002/018	. . {made from tubes or sheets of material, e.g. by etching or laser-cutting}	2002/087	. . . . . {Anchor integrated into tendons, e.g. bone blocks, integrated rings}
2/02	. Prostheses implantable into the body {(closure means for urethra or rectum or for artificial body openings therefor <a href="#">A61F 2/0004</a> )}	2002/0876	. . . . . {Position of anchor in respect to the bone}
2/022	. . {Artificial gland structures using bioreactors (hemodialysis <a href="#">A61M 1/16</a> ; hemofiltration <a href="#">A61M 1/34</a> ; other extracorporeal blood treatment <a href="#">A61M 1/36</a> )}	2002/0882	. . . . . {Anchor in or on top of a bone tunnel, i.e. a hole running through the entire bone}
2/04	. . Hollow or tubular parts of organs, e.g. bladders, tracheae, bronchi or bile ducts ( <a href="#">A61F 2/18</a> , <a href="#">A61F 2/20</a> take precedence; devices, other than stent-grafts, providing patency to, or preventing collapsing of, tubular structures of the body other than stent-grafts, e.g. stents <a href="#">A61F 2/82</a> ; instruments specially adapted for placement or removal of stents or stent-grafts <a href="#">A61F 2/95</a> )}	2002/0888	. . . . . {Anchor in or on a blind hole or on the bone surface without formation of a tunnel}
2002/041	. . . {Bile ducts}	2002/0894	. . . {Muscles}
2/042	. . . {Urinary bladders}	2/10	. . Hair or skin implants
2002/043	. . . {Bronchi}	2/105	. . . {Skin implants, e.g. artificial skin}
2002/044	. . . {Oesophagi or esophagi or gullets}	2/12	. . Mammary prostheses and implants
2002/045	. . . {Stomach, intestines}	2/14	. . Eye parts, e.g. lenses, corneal implants; {Implanting instruments specially adapted therefor}; Artificial eyes
2002/046	. . . {Tracheae}	2/141	. . . {Artificial eyes}
2002/047	. . . {Urethrae}	2/142	. . . {Cornea, e.g. artificial corneae, keratoprostheses or corneal implants for repair of defective corneal tissue}
2002/048	. . . {Ureters}	2/145	. . . {Corneal inlays, onlays, or lenses for refractive correction}
2/06	. . . Blood vessels	2/1451	. . . . {Inlays or onlays}
2002/061	. . . . {provided with means for allowing access to secondary lumens}	2/1453	. . . . {Corneal lenses connected to distinct attachment means}
2/062	. . . . {Apparatus for the production of blood vessels made from natural tissue or with layers of living cells (prostheses made from natural tissue or living cells <a href="#">A61L 27/507</a> )}	2/147	. . . {Implants to be inserted in the stroma for refractive correction, e.g. ring-like implants}
2/064	. . . . {with special features to facilitate anastomotic coupling (anastomosis of natural blood vessels <a href="#">A61B 17/11</a> )}	2/148	. . . {Implantation instruments specially adapted therefor}
2002/065	. . . . {Y-shaped blood vessels}	2/15	. . . {Implant having one or more holes, e.g. for nutrient transport, for facilitating handling}
2002/067	. . . . . {modular}	2/16	. . . Intraocular lenses
2002/068	. . . . {Modifying the blood flow model, e.g. by diffuser or deflector}		
2/07	. . . . Stent-grafts		
2002/072	. . . . . {Encapsulated stents, e.g. wire or whole stent embedded in lining}		
2002/075	. . . . . {the stent being loosely attached to the graft material, e.g. by stitching}		

- 2/1601 . . . . {Lens body having features to facilitate aqueous fluid flow across the intraocular lens, e.g. for pressure equalization or nutrient delivery}
- 2/16015 . . . . {Lens having spacers for providing a gap between the posterior capsule and a posterior surface of the intraocular lens}
- 2/1602 . . . . {Corrective lenses for use in addition to the natural lenses of the eyes or for pseudo-phakic eyes}
- 2/1605 . . . . {Anterior chamber lenses for use in addition to the natural lenses of the eyes, e.g. iris fixated, iris floating}
- 2/1608 . . . . {Iris fixated, e.g. by clamping iris tissue, by suturing to the iris}
- 2/161 . . . . {Posterior chamber lenses for use in addition to the natural lenses of the eyes}
- 2/1613 . . . . {having special lens configurations, e.g. multipart lenses; having particular optical properties, e.g. pseudo-accommodative lenses, lenses having aberration corrections, diffractive lenses, lenses for variably absorbing electromagnetic radiation, lenses having variable focus}
- 2/1616 . . . . {Pseudo-accommodative, e.g. multifocal or enabling monovision}
- 2/1618 . . . . {Multifocal lenses}
- 2/1621 . . . . {enabling correction for monovision}
- 2/1624 . . . . {having adjustable focus; power activated variable focus means, e.g. mechanically or electrically by the ciliary muscle or from the outside}
- 2/1627 . . . . {for changing index of refraction, e.g. by external means or by tilting}
- 2/1629 . . . . {for changing longitudinal position, i.e. along the visual axis when implanted}
- 2/1632 . . . . {for changing radial position, i.e. perpendicularly to the visual axis when implanted}
- 2/1635 . . . . {for changing shape}
- 2/1637 . . . . {Correcting aberrations caused by inhomogeneities; correcting intrinsic aberrations, e.g. of the cornea, of the surface of the natural lens, aspheric, cylindrical, toric lenses}
- 2/164 . . . . {Aspheric lenses}
- 2/1643 . . . . {Cylindrical lenses}
- 2/1645 . . . . {Toric lenses}
- 2/1648 . . . . {Multipart lenses}
- 2/1651 . . . . {Multipart lenses comprising a telescope}
- 2/1654 . . . . {Diffractive lenses}
- 2/1656 . . . . {Fresnel lenses, prisms or plates}
- 2/1659 . . . . {having variable absorption coefficient for electromagnetic radiation, e.g. photochromic lenses}
- 2/1662 . . . . {Instruments for inserting intraocular lenses into the eye}
- 2/1664 . . . . {for manual insertion during surgery, e.g. forceps-like instruments}
- 2/1667 . . . . {with rotatable plungers}
- 2/167 . . . . {with pushable plungers}
- 2/1672 . . . . {with a two-stage plunger, e.g. rotatable and pushable or rotatable at different speeds}
- 2/1675 . . . . {with a lubricated inner surface, e.g. the lubricant being coated on the inner surface or being injected through a port}
- 2/1678 . . . . {with a separate cartridge or other lens setting part for storage of a lens, e.g. preloadable for shipping}
- 2002/1681 . . . . {having supporting structure for lens, e.g. haptics}
- 2002/1682 . . . . {having mechanical force transfer mechanism to the lens, e.g. for accommodating lenses}
- 2002/1683 . . . . {having filiform haptics}
- 2002/1686 . . . . {Securing a filiform haptic to a lens body}
- 2002/1689 . . . . {having plate-haptics}
- 2002/169 . . . . {Surrounding optic}
- 2002/16901 . . . . {Supporting structure conforms to shape of capsular bag}
- 2002/16902 . . . . {Separable from intraocular lens}
- 2002/16903 . . . . {Having means to temporarily stabilize haptic}
- 2002/16905 . . . . {Having means on lens to reduce overall dimension of lens for insertion into small incision}
- 2002/169051 . . . . {Segmented zones}
- 2002/169052 . . . . {Segments slide}
- 2002/169053 . . . . {Segments fold}
- 2/1691 . . . . {Packages or dispensers for intraocular lenses (for contact lenses [A45C 11/005](#))}
- 2/1694 . . . . {Capsular bag spreaders therefor}
- 2002/1696 . . . . {Having structure for blocking or reducing amount of light transmitted, e.g. glare reduction}
- 2002/16965 . . . . {Lens includes ultraviolet absorber}
- 2002/1699 . . . . {Additional features not otherwise provided for}
- 2/18 . . . . Internal ear or nose parts, e.g. ear-drums {(implants for middle ear ventilation or drainage [A61F 11/202](#))}
- 2002/183 . . . . {Ear parts}
- 2/186 . . . . {Nose parts}
- 2/20 . . . . {Epiglottis}; Larynxes; Tracheae combined with larynxes or for use therewith (tracheae, bronchi per se [A61F 2/04](#) ; tracheostomy tubes [A61M 16/0465](#))}
- 2/203 . . . . {comprising an air passage from trachea to oesophagus or to pharynx; Artificial epiglottis}
- 2002/206 . . . . {Speech aids with external actuators, e.g. electrical larynxes}
- 2/24 . . . . Heart valves ; Vascular valves, e.g. venous valves; Heart implants, e.g. passive devices for improving the function of the native valve or the heart muscle; Transmyocardial revascularisation [TMR] devices; Valves implantable in the body}
- 2/2403 . . . . {with pivoting rigid closure members (check valves with hinged closure members in general [F16K 15/03](#))}
- 2/2406 . . . . {without fixed axis}
- 2/2409 . . . . {Support rings therefor, e.g. for connecting valves to tissue (annuloplasty rings [A61F 2/2442](#))}

- 2/2412 . . . {with soft flexible valve members, e.g. tissue valves shaped like natural valves ([check valves with flexible valve members in general F16K 15/14](#))}
- 2/2415 . . . . {Manufacturing methods}
- 2/2418 . . . . {Scaffolds therefor, e.g. support stents}
- 2/2421 . . . {with non-pivoting rigid closure members}
- 2/2424 . . . . {Ball valves}
- 2/2427 . . . {Devices for manipulating or deploying heart valves during implantation}
- 2/243 . . . . {Deployment by mechanical expansion}
- 2/2433 . . . . . {using balloon catheter}
- 2/2436 . . . . {Deployment by retracting a sheath}
- 2/2439 . . . . {Expansion controlled by filaments}
- 2/2442 . . . {Annuloplasty rings or inserts for correcting the valve shape; Implants for improving the function of a native heart valve}
- 2/2445 . . . . {Annuloplasty rings in direct contact with the valve annulus}
- 2/2448 . . . . . {D-shaped rings}
- 2/2451 . . . . {Inserts in the coronary sinus for correcting the valve shape}
- 2/2454 . . . . {Means for preventing inversion of the valve leaflets, e.g. chordae tendineae prostheses}
- 2/2457 . . . . . {Chordae tendineae prostheses}
- 2/246 . . . . {Devices for obstructing a leak through a native valve in a closed condition}
- 2/2463 . . . . {Implants forming part of the valve leaflets}
- 2/2466 . . . . {Delivery devices therefor}
- 2/2469 . . . {with resilient valve members, e.g. conical spiral}
- 2/2472 . . . {Devices for testing}
- 2/2475 . . . {Venous valves}
- 2/2476 . . . {Valves implantable in the body not otherwise provided for}
- 2/2478 . . . {Passive devices for improving the function of the heart muscle, i.e. devices for reshaping the external surface of the heart, e.g. bags, strips or bands}
- 2/2481 . . . . {Devices outside the heart wall, e.g. bags, strips or bands}
- 2002/2484 . . . . . {Delivery devices therefor}
- 2/2487 . . . . {Devices within the heart chamber, e.g. splints}
- 2002/249 . . . . {Device completely embedded in the heart wall}
- 2/2493 . . . {Transmyocardial revascularisation [TMR] devices}
- 2/2496 . . . {Devices for determining the dimensions of the prosthetic valve to be implanted, e.g. templates, sizers}
- 2/26 . . . Penis implants
- 2/28 . . . Bones ([joints A61F 2/30](#))
- 2/2803 . . . {for mandibular reconstruction ([temporo-mandibular joints A61F 2/3099](#); [bone plates for the jaw A61B 17/8071](#))}
- 2002/2807 . . . . {Chin implants}
- 2/2814 . . . {Bone stump caps}
- 2002/2817 . . . {Bone stimulation by chemical reactions or by osteogenic or biological products for enhancing ossification, e.g. by bone morphogenetic or morphogenic proteins [BMP] or by transforming growth factors [TGF]}
- 2002/2821 . . . . {Bone stimulation by electromagnetic fields or electric current for enhancing ossification}
- 2002/2825 . . . . {Femur}
- 2002/2828 . . . . . {Femoral head}
- 2002/2832 . . . . . {Femoral neck}
- 2002/2835 . . . . {Bone graft implants for filling a bony defect or an endoprosthesis cavity, e.g. by synthetic material or biological material}
- 2002/2839 . . . . . {Bone plugs or bone graft dowels}
- 2/2846 . . . . {Support means for bone substitute or for bone graft implants, e.g. membranes or plates for covering bone defects ([nets or sleeves applied to surface of endoprostheses A61F 2/30907](#); [bone plates A61B 17/80](#); [bone regeneration in dental surgery A61C 8/0006](#))}
- 2002/285 . . . . . {Fixation appliances for attaching bone substitute support means to underlying bone}
- 2002/2853 . . . . {Humerus}
- 2/2857 . . . . {for cadavers ([devices for autopsy A61B 16/00](#))}
- 2002/286 . . . . {Bone stimulation by mechanical vibrations for enhancing ossification}
- 2002/2864 . . . . . {by ultrasonic or acoustic vibrations}
- 2002/2871 . . . . {Radius}
- 2/2875 . . . . {Skull or cranium ([A61F 2/2803](#) and [A61F 2/3099](#) take precedence)}
- 2002/2878 . . . . . {for orbital repair}
- 2002/2882 . . . . . {Malar or zygomatic implants}
- 2002/2885 . . . . . {Paranasal implants}
- 2002/2889 . . . . . {Maxillary, premaxillary or molar implants}
- 2002/2892 . . . . {Tibia}
- 2002/2896 . . . . {Ulna}
- 2/30 . . . Joints
- 2002/30001 . . . . {Additional features of subject-matter classified in [A61F 2/28](#), [A61F 2/30](#) and subgroups thereof}
- 2002/30003 . . . . . {Material related properties of the prosthesis or of a coating on the prosthesis}
- 2002/30004 . . . . . {the prosthesis being made from materials having different values of a given property at different locations within the same prosthesis}
- 2002/30006 . . . . . . {differing in density or specific weight}
- 2002/30009 . . . . . . {differing in fibre orientations}
- 2002/30011 . . . . . . {differing in porosity}
- 2002/30014 . . . . . . {differing in elasticity, stiffness or compressibility}
- 2002/30016 . . . . . . {differing in hardness, e.g. Vickers, Shore, Brinell}
- 2002/30019 . . . . . . {differing in mechanical expandability, e.g. in mechanical, self- or balloon expandability}
- 2002/30021 . . . . . . {differing in brittleness}
- 2002/30023 . . . . . . {differing in viscosity}
- 2002/30024 . . . . . . {differing in coefficient of friction}
- 2002/30026 . . . . . . {differing in wear resistance}
- 2002/30028 . . . . . . {differing in tissue ingrowth capacity, e.g. made from both ingrowth-promoting and ingrowth-preventing parts}
- 2002/30031 . . . . . . {differing in wettability, e.g. in hydrophilic or hydrophobic behaviours}

2002/30032	{differing in absorbability or resorbability, i.e. in absorption or resorption time}	2002/30112	{Rounded shapes, e.g. with rounded corners}
2002/30036	{differing in release or diffusion time}	2002/30113	{circular}
2002/30037	{differing in coefficient of thermal expansion or dila(ta)tion}	2002/30115	{circular-O-shaped}
2002/30039	{differing in shape-memory transition temperatures, e.g. in martensitic transition temperature or in austenitic transition temperature}	2002/30116	{partial circles, i.e. circular segments}
2002/30041	{differing in hardening time}	2002/30118	{concentric circles}
2002/30042	{made from both cured and uncured parts}	2002/3012	{intersecting circles}
2002/30044	{differing in melting temperature}	2002/30121	{with lobes}
2002/30046	{differing in thermal conductivity}	2002/30123	{with two diametrically opposed lobes}
2002/30051	{differing in corrosion resistance}	2002/30125	{elliptical or oval}
2002/30052	{differing in electric or magnetic properties}	2002/30126	{oval-O-shaped}
2002/30056	{differing in radiographic density}	2002/30128	{concentric ellipses}
2002/30057	{made from both cortical and cancellous adjacent parts}	2002/3013	{figure-"8"- or hourglass-shaped}
2002/30059	{differing in bone mineralization, e.g. made from both mineralized and demineralized adjacent parts}	2002/30131	{horseshoe- or crescent- or C-shaped or U-shaped}
2002/3006	{Properties of materials and coating materials}	2002/30133	{kidney-shaped or bean-shaped}
2002/30062	{(bio)absorbable, biodegradable, bioerodable, (bio)resorbable, resorptive}	2002/30136	{undulated or wavy, e.g. serpentine-shaped or zigzag-shaped}
2002/30064	{Coating or prosthesis-covering structure made of biodegradable material}	2002/30138	{Convex polygonal shapes}
2002/30065	{thermoplastic, i.e. softening or fusing when heated, and hardening and becoming rigid again when cooled}	2002/3014	{decagonal}
2002/30067	{Coating or prosthesis-covering structure made of thermoplastic material}	2002/30141	{dodecagonal}
2002/30069	{elastomeric}	2002/30143	{hexagonal}
2002/3007	{Coating or prosthesis-covering structure made of elastic material, e.g. of elastomer}	2002/30146	{octagonal}
2002/30072	{Coating made of plastically deformable or self-moulding material}	2002/30148	{lozenge- or diamond-shaped}
2002/30074	{stretchable}	2002/30149	{pentagonal}
2002/30075	{swellable, e.g. when wetted}	2002/30151	{rhomboidal or parallelogram-shaped}
2002/30077	{shrinkable}	2002/30153	{rectangular}
2002/30079	{magnetic}	2002/30154	{square}
2002/3008	{radio-opaque, e.g. radio-opaque markers}	2002/30156	{triangular}
2002/30082	{radioactive}	2002/30158	{trapezoidal}
2002/30084	{Materials having a crystalline structure}	2002/30159	{Concave polygonal shapes}
2002/30087	{piezoelectric}	2002/30161	{arrow-shaped}
2002/30088	{Phase change materials [PCM], e.g. for storing latent heat}	2002/30164	{dovetail-shaped}
2002/3009	{Transparent or translucent}	2002/30166	{H-shaped or I-shaped}
2002/30092	{using shape memory or superelastic materials, e.g. nitinol}	2002/30168	{L-shaped}
2002/30107	{using materials or accessories for preventing galvanic or electrolytic corrosion}	2002/30169	{Pi-shaped}
2002/30108	{Shapes}	2002/30171	{rosette- or star-shaped}
2002/3011	{Cross-sections or two-dimensional shapes}	2002/30172	{T-shaped}
		2002/30176	{V-shaped}
		2002/30177	{W-shaped, M-shaped or sigma shaped}
		2002/30179	{X-shaped}
		2002/30181	{Y-shaped}
		2002/30182	{Other shapes}
		2002/30187	{D-shaped or half-disc-shaped}
		2002/30189	{E-shaped or epsilon-shaped}
		2002/30191	{heart-shaped}
		2002/30192	{J-shaped}
		2002/30196	{Psi-shaped or fork-shaped}
		2002/30197	{Omega-shaped}
		2002/30199	{Three-dimensional shapes}
		2002/302	{toroidal, e.g. rings}
		2002/30202	{half-tores}
		2002/30205	{conical}
		2002/30207	{Double convex cones, i.e. element having two convex cones, one at each of its opposite ends}
		2002/30209	{Cones of elliptical or oval basis}
		2002/3021	{frustoconical}

2002/30212 . . . . .	{Half-cones}	2002/30316 . . . . .	{The prosthesis having different structural features at different locations within the same prosthesis; Connections between prosthetic parts; Special structural features of bone or joint prostheses not otherwise provided for}
2002/30214 . . . . .	{having tapered sections of different conicities}	2002/30317 . . . . .	{The prosthesis having different structural features at different locations within the same prosthesis}
2002/30215 . . . . .	{Stepped cones, i.e. having discrete diameter changes}	2002/30319 . . . . .	{differing in moment of inertia}
2002/30217 . . . . .	{hollow cones, e.g. tubular-like cones}	2002/30321 . . . . .	{differing in roughness}
2002/30224 . . . . .	{cylindrical}	2002/30322 . . . . .	{differing in surface structures}
2002/30225 . . . . .	{Flat cylinders, i.e. discs}	2002/30324 . . . . .	{differing in thickness}
2002/30227 . . . . .	{arched, domed or vaulted}	2002/30326 . . . . .	{differing in height or in length}
2002/30228 . . . . .	{Cylinders of elliptical or oval basis}	2002/30327 . . . . .	{differing in diameter}
2002/3023 . . . . .	{wedge-shaped cylinders}	2002/30329 . . . . .	{Connections or couplings between prosthetic parts, e.g. between modular parts; Connecting elements}
2002/30232 . . . . .	{Half-cylinders}	2002/30331 . . . . .	{made by longitudinally pushing a protrusion into a complementarily-shaped recess, e.g. held by friction fit}
2002/30233 . . . . .	{Stepped cylinders, i.e. having discrete diameter changes}	2002/30332 . . . . .	{Conically- or frustoconically-shaped protrusion and recess}
2002/30235 . . . . .	{tubular, e.g. sleeves}	2002/30334 . . . . .	{Cone of elliptical or oval basis}
2002/30237 . . . . .	{partial tubes}	2002/30336 . . . . .	{Stepped cones, i.e. having discrete diameter changes}
2002/30242 . . . . .	{spherical}	2002/30337 . . . . .	{Inverted concave conical connections, e.g. for opposing disconnection}
2002/30243 . . . . .	{the overall spherical surface being composed of a plurality of adjacent circular or polygonal segments, e.g. football-like shaped}	2002/30339 . . . . .	{Double cones, i.e. connecting element having two conical connections, one at each of its opposite ends}
2002/30245 . . . . .	{Partial spheres}	2002/30345 . . . . .	{Multiple conical connection, i.e. the protrusion and recess having several tapered sections of different complementary conicities}
2002/30252 . . . . .	{quadric-shaped}	2002/30349 . . . . .	{the male and female complementary cones being of different conicities, i.e. for reducing the contact area}
2002/30253 . . . . .	{ellipsoidal or ovoid}	2002/3035 . . . . .	{the male convex cone having an inner female concave taper}
2002/30255 . . . . .	{hyperboloidal}	2002/30352 . . . . .	{Protrusion and recess of D-shaped cross-section}
2002/30257 . . . . .	{paraboloidal}	2002/30354 . . . . .	{Cylindrically-shaped protrusion and recess, e.g. cylinder of circular basis}
2002/30258 . . . . .	{elliptic paraboloid}	2002/30355 . . . . .	{Cylinder of elliptical or oval basis}
2002/30261 . . . . .	{parallelepipedal}	2002/30357 . . . . .	{Stepped cylinders, i.e. having discrete diameter changes}
2002/30263 . . . . .	{cubical}	2002/30359 . . . . .	{Pyramidally- or frustopyramidally-shaped protrusion and recess}
2002/30265 . . . . .	{Flat parallelepipeds}	2002/3036 . . . . .	{Protrusion and recess of kidney-shaped cross-section}
2002/30266 . . . . .	{wedge-shaped parallelepipeds}	2002/30362 . . . . .	{with possibility of relative movement between the protrusion and the recess}
2002/30273 . . . . .	{pyramidal}	2002/30364 . . . . .	{Rotation about the common longitudinal axis}
2002/30275 . . . . .	{tetrahedral, i.e. having a triangular basis}	2002/30365 . . . . .	{with additional means for limiting said rotation}
2002/30276 . . . . .	{frustopyramidal}	2002/30367 . . . . .	{with additional means for preventing said rotation}
2002/3028 . . . . .	{polyhedral different from parallelepipedal and pyramidal}		
2002/30281 . . . . .	{wedge-shaped}		
2002/30285 . . . . .	{rugby-ball-shaped}		
2002/30286 . . . . .	{barrel-shaped}		
2002/30288 . . . . .	{bottle-shaped}		
2002/30289 . . . . .	{helically-coiled}		
2002/30291 . . . . .	{spirally-coiled, i.e. having a 2D spiral cross-section}		
2002/30293 . . . . .	{Cylindrical body made by spirally rolling up a sheet or a strip around itself}		
2002/30294 . . . . .	{Conical or frustoconical body made by spirally rolling up a sheet or a strip around itself}		
2002/30298 . . . . .	{Parallelepipedal body made by spirally rolling up a sheet or a strip around itself}		
2002/30299 . . . . .	{umbrella-shaped or mushroom-shaped}		
2002/30301 . . . . .	{saddle-shaped}		
2002/30303 . . . . .	{polypod-shaped}		
2002/30304 . . . . .	{nose-shaped}		
2002/30306 . . . . .	{harpoon-shaped}		
2002/30308 . . . . .	{banana-shaped}		
2002/30309 . . . . .	{hat-shaped or bell-shaped}		
2002/30313 . . . . .	{pear-shaped}		

2002/30369	{Limited lateral translation of the protrusion within a larger recess}	2002/30429	{made by inserting a hook into a cooperating slot}
2002/3037	{Translation along the common longitudinal axis, e.g. piston}	2002/30431	{made by first pushing a necked button longitudinally and then sliding it laterally within a keyhole slot}
2002/30372	{with additional means for limiting said translation}	2002/30433	{using additional screws, bolts, dowels, rivets or washers e.g. connecting screws}
2002/30373	{with additional means for preventing said translation}	2002/30448	{using adhesives}
2002/30375	{with an intermediate bushing or sleeve between the moving parts}	2002/30449	{the adhesive being cement}
2002/30378	{Spherically-shaped protrusion and recess}	2002/30451	{soldered or brazed or welded}
2002/30383	{made by laterally inserting a protrusion, e.g. a rib into a complementarily-shaped groove}	2002/30459	{stapled}
2002/30385	{the rib and groove having non-parallel, e.g. conically-tapered, cooperating sides, e.g. having a trapezoidal front cross-section}	2002/30461	{sutured, ligatured or stitched}
2002/30387	{Dovetail connection}	2002/30462	{retained or tied with a rope, string, thread, wire or cable}
2002/3039	{with possibility of relative movement of the rib within the groove}	2002/30467	{using hook and loop-type fasteners}
2002/30392	{Rotation}	2002/30469	{using band clamps}
2002/30393	{with additional means for limiting said rotation}	2002/30471	{connected by a hinged linkage mechanism, e.g. of the single-bar or multi-bar linkage type}
2002/30395	{with additional means for preventing or locking said rotation}	2002/30474	{using an intermediate sleeve interposed between both prosthetic parts to be coupled}
2002/30397	{Limited lateral translation of the rib within a larger groove}	2002/30476	{locked by an additional locking mechanism}
2002/30398	{Sliding}	2002/30477	{using sharp protrusions, e.g. spikes, for anchoring into connecting prosthetic part}
2002/304	{with additional means for limiting said sliding}	2002/30479	{using a locking ball}
2002/30401	{with additional means for preventing or locking said sliding}	2002/30481	{using a locking clip}
2002/30403	{Longitudinally-oriented cooperating ribs and grooves on mating lateral surfaces of a mainly longitudinal connection}	2002/30482	{using a locking cam}
2002/30405	{made by screwing complementary threads machined on the parts themselves}	2002/30484	{Mechanically expandable devices located on the first prosthetic part for locking into or onto the second prosthetic part}
2002/30406	{Threads machined on spherical, e.g. hemispherical, surfaces}	2002/30485	{plastically deformable}
2002/30408	{Conical threadings}	2002/30487	{Circumferential cooperating grooves and beads on cooperating lateral surfaces of a mainly longitudinal connection}
2002/3041	{having threaded portions of different pitches}	2002/3049	{using a slidable sleeve covering the connection}
2002/30411	{having two threaded end parts connected by a threaded central part with opposite threads at its opposite ends, i.e. for adjusting the distance between both end parts by rotating the central part}	2002/30492	{using a locking pin}
2002/30413	{having threads of increasing height or depth}	2002/30494	{Cooperating protrusions and recesses, e.g. radial serrations, located on abutting end surfaces of a longitudinal connection}
2002/3042	{with a pin cooperating with a helical groove}	2002/30495	{using a locking ring}
2002/30421	{Rounded threads}	2002/305	{Snap connection}
2002/30425	{Square threads}	2002/30505	{spring biased}
2002/30426	{Bayonet coupling}	2002/30507	{using a threaded locking member, e.g. a locking screw or a set screw}
2002/30428	{made by inserting a protrusion into a slot}	2002/30514	{using a locking washer}
		2002/30515	{using a locking wedge or block}
		2002/30517	{using a locking plate}
		2002/30518	{with possibility of relative movement between the prosthetic parts}
		2002/3052	{unrestrained in only one direction, e.g. moving unidirectionally}
		2002/30522	{releasable, e.g. using a releasable ratchet}
		2002/30523	{by means of meshing gear teeth}
		2002/30525	{Worm gears}
		2002/30528	{Means for limiting said movement}

2002/3053	. . . . .	{having additional means for preventing unwanted connections}	2002/30607	. . . . .	{Kits of prosthetic parts to be assembled in various combinations for forming different prostheses}
2002/30535	. . . . .	{Special structural features of bone or joint prostheses not otherwise provided for}	2002/30609	. . . . .	{Sets comprising both coated and non-coated endoprostheses}
2002/30537	. . . . .	{adjustable}	2002/30614	. . . . .	{Sets comprising both primary and revision endoprostheses}
2002/30538	. . . . .	{for adjusting angular orientation}	2002/30616	. . . . .	{Sets comprising a plurality of prosthetic parts of different sizes or orientations}
2002/3054	. . . . .	{about a connection axis or implantation axis for selecting any one of a plurality of radial orientations between two modular parts, e.g. Morse taper connections, at discrete positions, angular positions or continuous positions}	2002/30617	. . . . .	{Visible markings for adjusting, locating or measuring}
2002/30545	. . . . .	{for adjusting a diameter}	2002/30621	. . . . .	{Features concerning the anatomical functioning or articulation of the prosthetic joint}
2002/30546	. . . . .	{for adjusting elasticity, flexibility, spring rate or mechanical tension}	2002/30622	. . . . .	{Implant for fusing a joint or bone material}
2002/30548	. . . . .	{for adjusting fluid pressure}	2002/30624	. . . . .	{Hinged joint, e.g. with transverse axle restricting the movement}
2002/3055	. . . . .	{for adjusting length}	2002/30632	. . . . .	{with rotation-limiting stops, e.g. projections or recesses}
2002/30553	. . . . .	{for adjusting a position by translation along an axis}	2002/30634	. . . . .	{biaxial}
2002/30555	. . . . .	{along two perpendicular axes}	2002/30635	. . . . .	{Cardan or gimbal joints}
2002/30556	. . . . .	{for adjusting thickness}	2002/30639	. . . . .	{having rolling elements between both articulating surfaces}
2002/30558	. . . . .	{Force-limiting means}	2002/30642	. . . . .	{having a single rolling (or sliding) ball articulating between two cups}
2002/30561	. . . . .	{breakable or frangible}	2002/30647	. . . . .	{Joints made of two toroidal rings engaged together}
2002/30563	. . . . .	{having elastic means or damping means, different from springs, e.g. including an elastomeric core or shock absorbers}	2002/30649	. . . . .	{Ball-and-socket joints}
2002/30565	. . . . .	{having spring elements}	2002/3065	. . . . .	{Details of the ball-shaped head}
2002/30566	. . . . .	{Helical springs}	2002/30652	. . . . .	{Special cut-outs, e.g. flat or grooved cut-outs}
2002/30568	. . . . .	{Multiple spring systems including two or more helical springs}	2002/30654	. . . . .	{Details of the concave socket}
2002/30571	. . . . .	{Leaf springs}	2002/30655	. . . . .	{Non-spherical concave inner surface}
2002/30573	. . . . .	{2-D spiral springs}	2002/30657	. . . . .	{made of different partially-spherical concave portions}
2002/30574	. . . . .	{with an integral complete or partial collar or flange}	2002/30658	. . . . .	{having a central conforming area surrounded by a peripheral annular non-conforming area}
2002/30576	. . . . .	{with extending fixation tabs}	2002/3066	. . . . .	{having a central non-conforming area surrounded by a peripheral annular conforming area}
2002/30578	. . . . .	{having apertures, e.g. for receiving fixation screws}	2002/30662	. . . . .	{with rotation-limiting means}
2002/30579	. . . . .	{with mechanically expandable devices, e.g. fixation devices}	2002/30663	. . . . .	{multiaxial, e.g. biaxial; multipolar, e.g. bipolar or having an intermediate shell articulating between the ball and the socket}
2002/30581	. . . . .	{having a pocket filled with fluid, e.g. liquid}	2002/30665	. . . . .	{Dual arrangement of two adjacent ball-and-socket joints}
2002/30583	. . . . .	{filled with hardenable fluid, e.g. curable in-situ}	2002/30667	. . . . .	{Features concerning an interaction with the environment or a particular use of the prosthesis}
2002/30584	. . . . .	{filled with gas}	2002/30668	. . . . .	{Means for transferring electromagnetic energy to implants}
2002/30586	. . . . .	{having two or more inflatable pockets or chambers}	2002/3067	. . . . .	{for data transfer}
2002/30588	. . . . .	{filled with solid particles}	2002/30672	. . . . .	{temporary}
2002/30589	. . . . .	{Sealing means}	2002/30673	. . . . .	{Lubricating means, e.g. synovial pocket}
2002/30593	. . . . .	{hollow}	2002/30675	. . . . .	{Means for regulating synovial fluid pressure}
2002/30594	. . . . .	{slotted, e.g. radial or meridian slot ending in a polar aperture, non-polar slots, horizontal or arcuate slots}			
2002/30599	. . . . .	{stackable}			
2002/30601	. . . . .	{telescopic}			
2002/30602	. . . . .	{Shaft made of a bundle of anchoring rods or bristles, e.g. fasciculate shaft}			
2002/30604	. . . . .	{modular}			
2002/30606	. . . . .	{Sets comprising both cemented and non-cemented endoprostheses}			

2002/30677 . . . . .	{Means for introducing or releasing pharmaceutical products, e.g. antibiotics, into the body}	2002/30736 . . . . .	{Augments or augmentation pieces, e.g. wedges or blocks for bridging a bone defect}
2002/3068 . . . . .	{the pharmaceutical product being in a reservoir}	2002/30738 . . . . .	{Sleeves}
2002/30682 . . . . .	{Means for preventing migration of particles released by the joint, e.g. wear debris or cement particles}	2/30739 . . . . .	{Devices connected to the proximal part of an endoprosthetic femoral shaft for reinforcing or replacing the trochanters, e.g. the greater trochanter ( <a href="#">proximal parts of endoprosthetic femoral shafts A61F 2/367</a> ; <a href="#">non-prosthetic trochanteric devices A61B 17/74</a> )}
2002/30683 . . . . .	{Means for collecting wear particles in a hollow cavity inside the prosthesis}	2002/30741 . . . . .	{for the lesser trochanter}
2002/30685 . . . . .	{Means for reducing or preventing the generation of wear particulates}	2/30742 . . . . .	{Bellows or hose-like seals; Sealing membranes ( <a href="#">A61B 17/8808</a> takes precedence; <a href="#">sealing membranes for retaining bone substitute A61F 2/2846</a> )}
2002/30686 . . . . .	{Devices for removing particulate debris from prosthetic joints}	2/30744 . . . . .	{End caps, e.g. for closing an endoprosthetic cavity}
2002/30688 . . . . .	{Means for allowing passage or sliding of tendons or ligaments}	2/30749 . . . . .	{Fixation appliances for connecting prostheses to the body}
2002/3069 . . . . .	{Revision endoprostheses}	2002/30751 . . . . .	{for attaching cartilage scaffolds to underlying bone}
2002/30691 . . . . .	{Drainage means, e.g. for evacuating blood or other fluids}	2002/30752 . . . . .	{by means of a bed of granular material}
2002/30693 . . . . .	{Air venting means}	2002/30754 . . . . .	{Implants for interposition between two natural articular surfaces}
2002/30695 . . . . .	{Sound-damping or noise-reducing means}	2/30756 . . . . .	{Cartilage endoprostheses ( <a href="#">A61F 2/3603</a> takes precedence)}
2002/30696 . . . . .	{Means for preventing the accidental forgetting of prosthetic parts inside the body during operation}	2002/30757 . . . . .	{made of a sheet covering the natural articular surface, e.g. cap}
2002/30698 . . . . .	{Alarm means}	2002/30759 . . . . .	{Mosaicplasty, i.e. using a plurality of individual cartilage plugs for filling a substantial cartilage defect}
2002/307 . . . . .	{Prostheses for animals}	2002/30761 . . . . .	{Support means for artificial cartilage, e.g. cartilage defect covering membranes}
2002/30706 . . . . .	{specially designed for children, e.g. having means for adjusting to their growth}	2002/30762 . . . . .	{Means for culturing cartilage}
2002/30708 . . . . .	{Means for distinguishing between left-sided and right-sided devices, Sets comprising both left-sided and right-sided prosthetic parts}	2002/30764 . . . . .	{Cartilage harvest sites}
2002/3071 . . . . .	{Identification means; Administration of patients}	2002/30766 . . . . .	{Scaffolds for cartilage ingrowth and regeneration}
2002/30716 . . . . .	{for single use, e.g. having means for preventing re-use}	2/30767 . . . . .	{Special external or bone-contacting surface, e.g. coating for improving bone ingrowth}
2002/30718 . . . . .	{Means for protecting prosthetic parts, e.g. during operation}	2002/30769 . . . . .	{madreporic}
2002/30719 . . . . .	{Means for cleaning prostheses}	2/30771 . . . . .	{applied in original prostheses, e.g. holes or grooves}
2/30721 . . . . .	{Accessories}	2002/30772 . . . . .	{Apertures or holes, e.g. of circular cross section}
2/30723 . . . . .	{Plugs or restrictors for sealing a cement-receiving space ( <a href="#">tools for inserting plugs A61F 2/4614</a> ; <a href="#">sealing collars for use during cementing A61B 17/8808</a> )}	2002/30774 . . . . .	{internally-threaded}
2/30724 . . . . .	{Spacers for centering an implant in a bone cavity, e.g. in a cement-receiving cavity}	2002/30777 . . . . .	{Oblong apertures}
2002/30726 . . . . .	{Centering or guiding rods, e.g. for insertion of femoral shafts}	2002/30779 . . . . .	{arcuate}
2/30728 . . . . .	{Collars; Bone edge protectors ( <a href="#">A61F 2/30734</a> takes precedence; <a href="#">sealing collars for use during cementing A61B 17/8808</a> )}	2002/30782 . . . . .	{inclined obliquely}
2002/30729 . . . . .	{Separate collars}	2002/30784 . . . . .	{Plurality of holes}
2002/30731 . . . . .	{Bone edge protectors}	2002/30785 . . . . .	{parallel}
2002/30733 . . . . .	{Inserts placed into an endoprosthetic cavity, e.g. for modifying a material property}	2002/30787 . . . . .	{inclined obliquely with respect to each other}
2/30734 . . . . .	{Modular inserts, sleeves or augments, e.g. placed on proximal part of stem for fixation purposes or wedges for bridging a bone defect}	2002/30789 . . . . .	{perpendicular with respect to each other}
		2002/3079 . . . . .	{Stepped or enlarged apertures, e.g. having discrete diameter changes}
		2002/30795 . . . . .	{Blind bores, e.g. of circular cross-section}
		2002/30797 . . . . .	{internally-threaded}
		2002/308 . . . . .	{oblong}
		2002/30802 . . . . .	{arcuate}
		2002/30803 . . . . .	{inclined obliquely}

2002/30805 . . . . .	{Recesses of comparatively large area with respect to their low depth}	2002/30891 . . . . .	{Plurality of protrusions}
2002/30807 . . . . .	{Plurality of blind bores}	2002/30892 . . . . .	{parallel}
2002/30808 . . . . .	{parallel}	2002/30894 . . . . .	{inclined obliquely with respect to each other}
2002/30811 . . . . .	{inclined obliquely with respect to each other}	2002/30896 . . . . .	{perpendicular with respect to each other}
2002/30812 . . . . .	{perpendicular with respect to each other}	2002/30897 . . . . .	{Stepped protrusions, i.e. having discrete diameter changes}
2002/30813 . . . . .	{Stepped or enlarged blind bores, e.g. having discrete diameter changes}	2002/30899 . . . . .	{Protrusions pierced with apertures}
2002/30817 . . . . .	{Intersecting or overlapping blind bores}	2002/30901 . . . . .	{longitudinally}
2002/30818 . . . . .	{castellated or crenellated}	2002/30902 . . . . .	{laterally or radially}
2002/3082 . . . . .	{Grooves}	2002/30904 . . . . .	{serrated profile, i.e. saw-toothed}
2002/30822 . . . . .	{Circumferential grooves}	2002/30906 . . . . .	{shot- sand- or grit-blasted}
2002/30823 . . . . .	{having the shape of a reverse dovetail}	2/30907 . . . . .	{Nets or sleeves applied to surface of prostheses or in cement}
2002/30825 . . . . .	{arcuate}	2002/30909 . . . . .	{Nets}
2002/30827 . . . . .	{Plurality of grooves}	2002/30911 . . . . .	{having a honeycomb structure}
2002/30828 . . . . .	{parallel}	2002/30912 . . . . .	{made of expanded metal, e.g. diamond mesh or metal nets having lozenge-shaped apertures}
2002/3083 . . . . .	{inclined obliquely with respect to each other}	2002/30914 . . . . .	{Details of the mesh structure, e.g. disposition of the woven warp and weft wires}
2002/30831 . . . . .	{perpendicular with respect to each other}	2002/30915 . . . . .	{made of a stack of bonded perforated sheets, grids or wire meshes}
2002/30836 . . . . .	{knurled}	2002/30917 . . . . .	{for avoiding direct contact between bone and implant, e.g. extensible membrane for preventing contamination or for easy removal}
2002/30838 . . . . .	{Microstructures}	2002/30919 . . . . .	{Sleeves}
2002/3084 . . . . .	{Nanostructures}	2002/3092 . . . . .	{having an open-celled or open-pored structure}
2002/30841 . . . . .	{Sharp anchoring protrusions for impaction into the bone, e.g. sharp pins, spikes}	2002/30922 . . . . .	{Hardened surfaces}
2002/30843 . . . . .	{Pyramidally-shaped}	2002/30925 . . . . .	{etched}
2002/30845 . . . . .	{with cutting edges}	2002/30929 . . . . .	{having at least two superposed coatings}
2002/3085 . . . . .	{with a threaded, e.g. self-tapping, bone-engaging surface, e.g. external surface}	2002/3093 . . . . .	{for promoting ingrowth of bone tissue}
2002/30851 . . . . .	{Multiple threadings}	2002/30932 . . . . .	{for retarding or preventing ingrowth of bone tissue}
2002/30858 . . . . .	{Threads interrupted by grooves or sidewalls, e.g. flat sidewalls}	2002/30934 . . . . .	{Special articulating surfaces}
2002/30859 . . . . .	{having threaded portions of different pitches}	2002/30935 . . . . .	{Concave articulating surface composed of a central conforming area surrounded by a peripheral annular non-conforming area}
2002/30861 . . . . .	{having threads of increasing or decreasing height}	2002/30937 . . . . .	{with cut-outs}
2002/30863 . . . . .	{the entry end surface having flutes, relief grooves, starter notches or bevelled indentations}	2002/30939 . . . . .	{Means for modifying the geometry of articulating surfaces, e.g. for compensating excessive clearance caused by wear}
2002/30864 . . . . .	{Microthreads}	2/3094 . . . . .	{Designing or manufacturing processes}
2002/30866 . . . . .	{Rounded threads}	2/30942 . . . . .	{for designing or making customized prostheses, e.g. using templates, CT or NMR scans, finite-element analysis or CAD-CAM techniques}
2002/30868 . . . . .	{Square, rectangular or rhomboidal threads}	2002/30943 . . . . .	{using mathematical models}
2002/30869 . . . . .	{Dovetail-shaped}	2002/30948 . . . . .	{using computerized tomography, i.e. CT scans}
2002/30871 . . . . .	{Trapezoidal threads}	2002/30952 . . . . .	{using CAD-CAM techniques or NC-techniques}
2002/30873 . . . . .	{Threadings machined on non-cylindrical external surfaces}	2002/30953 . . . . .	{using a remote computer network, e.g. Internet}
2002/30878 . . . . .	{with non-sharp protrusions, for instance contacting the bone for anchoring, e.g. keels, pegs, pins, posts, shanks, stems, struts}	2002/30955 . . . . .	{using finite-element analysis}
2002/30879 . . . . .	{Ribs}	2002/30957 . . . . .	{using a positive or a negative model, e.g. moulds}
2002/30881 . . . . .	{Circumferential ribs, flanges or fins}	2002/3096 . . . . .	{trimmed or cut to a customised size}
2002/30883 . . . . .	{dovetail-shaped}	2002/30962 . . . . .	{using stereolithography}
2002/30884 . . . . .	{Fins or wings, e.g. longitudinal wings for preventing rotation within the bone cavity}		
2002/30886 . . . . .	{externally-threaded}		
2002/30889 . . . . .	{Arcuate pegs}		

- 2002/30963 . . . . . {using templates, e.g. grid charts}
- 2/30965 . . . . . {Reinforcing the prosthesis by embedding particles or fibres during moulding or dipping}
- 2002/30967 . . . . . {Diffusion bonding}
- 2002/30968 . . . . . {Sintering}
- 2002/3097 . . . . . {using laser}
- 2002/30971 . . . . . {Laminates, i.e. layered products}
- 2002/30973 . . . . . {Two joined adjacent layers having complementary interlocking protrusions and recesses}
- 2002/30975 . . . . . {made of two halves}
- 2002/30976 . . . . . {using hydrojet}
- 2002/30978 . . . . . {using electrical discharge machining [EDM]}
- 2002/30985 . . . . . {using three dimensional printing [3DP]}
- 2/30988 . . . . . {Other joints not covered by any of the groups [A61F 2/32](#) - [A61F 2/4425](#)}
- 2/3099 . . . . . {for temporo-mandibular [TM, TMJ] joints (endoprostheses for mandibular reconstruction [A61F 2/2803](#))}
- 2002/30991 . . . . . {Mandibular components}
- 2002/30993 . . . . . {Temporal components}
- 2002/30995 . . . . . {for sacro-iliac joints}
- 2002/30996 . . . . . {for sterno-clavicular joints}
- 2002/30998 . . . . . {for acromio-clavicular joints}
- 2/32 . . . . . for the hip
- NOTE**
- Documents, which are of interest for more than one of the following subgroups, are classified in the hierarchically higher group only
- 2002/3208 . . . . . {Bipolar or multipolar joints, e.g. having a femoral head articulating within an intermediate acetabular shell whilst said shell articulates within the natural acetabular socket or within an artificial outer shell}
- 2002/3216 . . . . . {tripolar}
- 2002/3225 . . . . . {the diameter of the inner concave femoral head-receiving cavity of the inner acetabular shell being essentially greater than the diameter of the convex femoral head}
- 2002/3233 . . . . . {having anti-luxation means for preventing complete dislocation of the femoral head from the acetabular cup}
- 2002/3241 . . . . . {having a ring, e.g. for locking the femoral head into the acetabular cup}
- 2/34 . . . . . Acetabular cups
- 2002/3401 . . . . . {with radial apertures, e.g. radial bores for receiving fixation screws}
- 2002/3403 . . . . . {Polar aperture}
- 2002/3406 . . . . . {Oblong apertures}
- 2002/3408 . . . . . {Shells having at least two sets of different apertures, e.g. one set located in the equatorial zone and another set located in the polar zone}
- 2002/3412 . . . . . {with pins or protrusions, e.g. non-sharp pins or protrusions projecting from a shell surface}
- 2002/3414 . . . . . {Polar protrusion, e.g. for centering two concentric shells}
- 2002/3417 . . . . . {the outer shell having protrusions on meridian lines, e.g. equidistant fins or wings around the equatorial zone}
- 2002/342 . . . . . {the outer shell having circumferential protrusions parallel to the equatorial plane, e.g. circumferential fins or wings}
- 2002/3425 . . . . . {the outer shell having non-meridian protrusions, e.g. fins or wings, located in planes inclined or perpendicular with respect to the equatorial plane}
- 2002/3429 . . . . . {with an integral peripheral collar or flange, e.g. oriented away from the shell centre line}
- 2002/343 . . . . . {partial, i.e. not extending along the entire equatorial circumference}
- 2002/3432 . . . . . {having apertures for receiving fixation screws}
- 2002/3435 . . . . . {peripheral lip, e.g. elastic lip}
- 2002/3437 . . . . . {oriented inwardly towards the shell centre line}
- 2002/344 . . . . . {the inner shell having an inner hip femoral head-receiving cavity offset from its centre line}
- 2002/3441 . . . . . {the outer shell having an outer surface and an inner insert receiving cavity being angularly inclined with respect to the longitudinal axis of the outer surface}
- 2002/3443 . . . . . {with an anti-luxation elevated rim portion, e.g. on the inner shell}
- 2002/3445 . . . . . {having a number of shells different from two}
- 2002/3446 . . . . . {Single cups}
- 2002/3448 . . . . . {Multiple cups made of three or more concentric shells fitted or nested into one another}
- 2002/345 . . . . . {the inner and outer (hemi)spherical surfaces of a shell, e.g. an intermediate shell, having distinct centres of rotation, both located on the centre line of the shell}
- 2002/3453 . . . . . {having a non-hemispherical convex outer surface, e.g. quadric-shaped}
- 2002/3454 . . . . . {having an oblong, oval or elliptical cross-section in the equatorial plane}
- 2002/3456 . . . . . {ellipsoidal or having a flattened polar region}
- 2002/3459 . . . . . {made of different partially-spherical portions}
- 2002/3462 . . . . . {having a frustoconical external shape, e.g. entirely frustoconical}
- 2002/3466 . . . . . {having a cylindrical external shape, e.g. entirely cylindrical}
- 2002/3469 . . . . . {with non-radial inner bores or canals}
- 2002/3479 . . . . . {Cage-like shells, e.g. hemispherical outer shells made of meridian strips or wires connected to an equatorial strip, rim or wire}
- 2002/348 . . . . . {Additional features}
- 2002/3482 . . . . . {Two hemispherical halves having completely different structures}
- 2002/3483 . . . . . {having a convex shape, e.g. hemispherical heads}
- 2002/3485 . . . . . {Shells made of block segments linked by thin connecting strips}

2002/3487	. . . . .	{Partial acetabular cups, e.g. strips replacing only partially the natural acetabular cartilage}	2002/3688	. . . . .	{with opposite proximal and distal curvatures, i.e. S-shaped shaft}
2002/349	. . . . .	{Shell having a wavy or undulated peripheral rim}	2002/369	. . . . .	{Stepped shaft, i.e. having discrete diameter changes}
2002/3493	. . . . .	{Spherical shell significantly greater than a hemisphere, e.g. extending over more than 200 degrees}	2002/3694	. . . . .	{with longitudinal bores}
2002/3495	. . . . .	{Spherical shell significantly smaller than a hemisphere, e.g. extending over less than 160 degrees}	2002/3698	. . . . .	{twisted about the longitudinal axis of the shaft}
2/36	. . . . .	Femoral heads {; Femoral endoprostheses}	2/38	. . . . .	for elbows or knees
2/3601	. . . . .	{for replacing only the epiphyseal or metaphyseal parts of the femur, e.g. endoprosthetic femoral heads or necks directly fixed to the natural femur by internal fixation devices (non-prosthetic internal fixation devices for the femoral head or neck <a href="#">A61B 17/74</a> )}	<b>NOTE</b>		Documents, which are of interest for more than one of the following subgroups, are classified in the hierarchically higher group only
2/3603	. . . . .	{implanted without ablation of the whole natural femoral head (endoprosthetic cartilage <a href="#">A61F 2/30756</a> )}	2/3804	. . . . .	{for elbows}
2002/3605	. . . . .	{made of two or more concentric caps fitted onto one another}	2002/3809	. . . . .	{for radio-humeral joints}
2/3607	. . . . .	{including proximal or total replacement of the femur}	2002/3813	. . . . .	{for ulno-humeral joints}
2/3609	. . . . .	{Femoral heads or necks; Connections of endoprosthetic heads or necks to endoprosthetic femoral shafts ( <a href="#">A61F 2/3601</a> takes precedence)}	2002/3818	. . . . .	{for proximal radio-ulnar joints, i.e. PRU joints}
2002/3611	. . . . .	{Heads or epiphyseal parts of femur}	2002/3822	. . . . .	{Humeral components}
2002/3613	. . . . .	{with lateral or oblique apertures, holes or openings}	2002/3827	. . . . .	{Radial components}
2002/3615	. . . . .	{having a concave shape, e.g. hemispherical cups}	2002/3831	. . . . .	{Ulnar components}
2002/3621	. . . . .	{pierced with a longitudinal bore}	2/3836	. . . . .	{Special connection between upper and lower leg, e.g. constrained}
2002/3623	. . . . .	{Non-spherical heads}	2/384	. . . . .	{hinged, i.e. with transverse axle restricting the movement}
2002/3625	. . . . .	{Necks}	2/3845	. . . . .	{allowing only for single rotation}
2002/3627	. . . . .	{with lateral apertures, holes or openings}	2/385	. . . . .	{also provided with condylar bearing surfaces}
2002/3631	. . . . .	{with an integral complete or partial peripheral collar or bearing shoulder at its base}	2/3854	. . . . .	{with ball and socket joint}
2002/3647	. . . . .	{pierced with a longitudinal bore}	2/3859	. . . . .	{Femoral components}
2002/365	. . . . .	{Connections of heads to necks}	2002/3863	. . . . .	{Condyles fitted on an anchored base}
2002/3652	. . . . .	{Connections of necks to shafts}	2/3868	. . . . .	{with sliding tibial bearing}
2002/3654	. . . . .	{Connections of heads directly to shafts}	2/3872	. . . . .	{Meniscus for implantation between the natural bone surfaces}
2/3662	. . . . .	{Femoral shafts}	2/3877	. . . . .	{Patellae or trochleae}
2/367	. . . . .	{Proximal or metaphyseal parts of shafts (trochanteric devices connected to said proximal parts <a href="#">A61F 2/30739</a> )}	2002/3881	. . . . .	{with moving parts}
2/3672	. . . . .	{Intermediate parts of shafts}	2/3886	. . . . .	{for stabilising knees against anterior or lateral dislocations}
2002/3674	. . . . .	{Connections of proximal parts to distal parts}	2/389	. . . . .	{Tibial components ( <a href="#">A61F 2/3868</a> takes precedence)}
2/3676	. . . . .	{Distal or diaphyseal parts of shafts}	2002/3895	. . . . .	{unicompartmental}
2002/3678	. . . . .	{Geometrical features}	2/40	. . . . .	for shoulders
2002/368	. . . . .	{with lateral apertures, bores, holes or openings, e.g. for reducing the mass, for receiving fixation screws or for communicating with the inside of a hollow shaft}	<b>NOTE</b>		Documents, which are of interest for more than one of the following subgroups, are classified in the hierarchically higher group only
2002/3686	. . . . .	{bent}	2/4003	. . . . .	{Replacing only the epiphyseal or metaphyseal parts of the humerus, i.e. endoprosthesis not comprising an entire humeral shaft (replacing only the epiphyseal or metaphyseal parts of the femur <a href="#">A61F 2/3601</a> )}
			2002/4007	. . . . .	{implanted without ablation of the whole natural humeral head}
			2002/4011	. . . . .	{including proximal or total replacement of the humerus}
			2/4014	. . . . .	{Humeral heads or necks; Connections of endoprosthetic heads or necks to endoprosthetic humeral shafts}
			2002/4018	. . . . .	{Heads or epiphyseal parts of humerus}

2002/4022	. . . . .	{having a concave shape, e.g. hemispherical cups}	2002/4287	. . . . .	{Proximal carpal row, i.e. bones adjacent the radius and the ulna}
2002/4029	. . . . .	{Necks}	2002/4289	. . . . .	{Scaphoid or navicular bone}
2002/4033	. . . . .	{with an integral complete or partial peripheral collar at its base}	2002/4292	. . . . .	{Lunate}
2002/4037	. . . . .	{Connections of heads to necks}	2002/4294	. . . . .	{Triquetrum}
2002/4044	. . . . .	{Connections of necks to shafts}	2002/4297	. . . . .	{Pisiform bone}
2002/4051	. . . . .	{Connections of heads directly to shafts}	2/44	. . . . .	for the spine, e.g. vertebrae, spinal discs
2/4059	. . . . .	{Humeral shafts}	2/4405	. . . . .	{for apophyseal or facet joints, i.e. between adjacent spinous or transverse processes (devices implanted between spinous or transverse processes <a href="#">A61B 17/7062</a> )}
2002/4062	. . . . .	{Proximal or metaphyseal parts of shafts}	2/441	. . . . .	{made of inflatable pockets or chambers filled with fluid, e.g. with hydrogel}
2002/4066	. . . . .	{for replacement or reinforcement of the greater tubercle}	2002/4415	. . . . .	{elements of the prosthesis being arranged in a chain like manner}
2002/407	. . . . .	{Intermediate parts of shafts}	2/442	. . . . .	{Intervertebral or spinal discs, e.g. resilient (non-disc-shaped intervertebral inflatable pockets <a href="#">A61F 2/441</a> ; non-disc-shaped intervertebral fusion implants <a href="#">A61F 2/4455</a> )}
2002/4074	. . . . .	{Connections of proximal or metaphyseal parts to distal or diaphyseal parts}	2/4425	. . . . .	{made of articulated components}
2002/4077	. . . . .	{Distal or diaphyseal parts of shafts}	2002/443	. . . . .	{having two transversal endplates and at least one intermediate component}
2/4081	. . . . .	{Glenoid components, e.g. cups}	2002/4435	. . . . .	{Support means or repair of the natural disc wall, i.e. annulus, e.g. using plates, membranes or meshes}
2002/4085	. . . . .	{having a convex shape, e.g. hemispherical heads}	2002/444	. . . . .	{for replacing the nucleus pulposus}
2002/4088	. . . . .	{Acromial components}	2002/4445	. . . . .	{Means for culturing intervertebral disc tissue}
2002/4092	. . . . .	{Clavicular components}	2002/445	. . . . .	{Intervertebral disc tissue harvest sites}
2002/4096	. . . . .	{Coracoid process components}	2/4455	. . . . .	{for the fusion of spinal bodies, e.g. intervertebral fusion of adjacent spinal bodies, e.g. fusion cages ( <a href="#">intervertebral discs A61F 2/442</a> )}
2/42	. . . . .	for wrists or ankles; for hands, e.g. fingers; for feet, e.g. toes	2/446	. . . . .	{having a circular or elliptical cross-section substantially parallel to the axis of the spine, e.g. cylinders or frustocones}
2/4202	. . . . .	{for ankles}	2/4465	. . . . .	{having a circular or kidney shaped cross-section substantially perpendicular to the axis of the spine}
2002/4205	. . . . .	{Tibial components}	2/447	. . . . .	{substantially parallelepipedal, e.g. having a rectangular or trapezoidal cross-section}
2002/4207	. . . . .	{Talar components}	2002/448	. . . . .	{comprising multiple adjacent spinal implants within the same intervertebral space or within the same vertebra, e.g. comprising two adjacent spinal implants}
2002/421	. . . . .	{Fibular components, e.g. fibular-malleolar shields}	2002/4485	. . . . .	{comprising three or more adjacent spinal implants}
2002/4212	. . . . .	{Tarsal bones}	2002/449	. . . . .	{comprising multiple spinal implants located in different intervertebral spaces or in different vertebrae}
2002/4215	. . . . .	{Lateral row of tarsal bones}	2002/4495	. . . . .	{having a fabric structure, e.g. made from wires or fibres}
2002/4217	. . . . .	{Calcaneum or calcaneus or heel bone}	2/46	. . . . .	Special tools or methods for implanting or extracting artificial joints, accessories, bone grafts or substitutes, or particular adaptations therefor
2002/422	. . . . .	{Medial row of tarsal bones}	2/4601	. . . . .	{for introducing bone substitute, for implanting bone graft implants or for compacting them in the bone cavity}
2002/4223	. . . . .	{Implants for correcting a flat foot}	2/4603	. . . . .	{for insertion or extraction of endoprosthesis joints or of accessories thereof}
2/4225	. . . . .	{for feet, e.g. toes}	2/4605	. . . . .	{of elbows}
2002/4228	. . . . .	{for interphalangeal joints, i.e. IP joints}	2/4606	. . . . .	{of wrists or ankles; of hands, e.g. fingers; of feet, e.g. toes}
2002/4233	. . . . .	{for metatarso-phalangeal joints, i.e. MTP joints}			
2002/4238	. . . . .	{for tarso-metatarsal joints, i.e. TMT joints}			
2/4241	. . . . .	{for hands, e.g. fingers}			
2002/4243	. . . . .	{for interphalangeal joints, i.e. IP joints}			
2002/4251	. . . . .	{for metacarpo-phalangeal joints, i.e. MCP or MP joints, e.g. knuckle joints}			
2002/4253	. . . . .	{for thumbs}			
2002/4256	. . . . .	{for carpo-metacarpal joints, i.e. CMC joints}			
2002/4258	. . . . .	{for trapezo-metacarpal joints of thumbs}			
2/4261	. . . . .	{for wrists}			
2002/4264	. . . . .	{for radio-carpal joints}			
2002/4266	. . . . .	{for ulno-carpal joints}			
2002/4269	. . . . .	{for distal radio-ulnar joints, i.e. DRU joints}			
2002/4271	. . . . .	{Carpal bones}			
2002/4274	. . . . .	{Distal carpal row, i.e. bones adjacent the metacarpal bones}			
2002/4276	. . . . .	{Trapezium}			
2002/4279	. . . . .	{Trapezoid}			
2002/4282	. . . . .	{Capitate}			
2002/4284	. . . . .	{Hamate}			

- 2/4607 . . . . . {of hip femoral endoprostheses}
- 2/4609 . . . . . {of acetabular cups}
- 2/461 . . . . . {of knees}
- 2/4611 . . . . . {of spinal prostheses}
- 2/4612 . . . . . {of shoulders}
- 2/4614 . . . . . {of plugs for sealing a cement-receiving space}
- 2002/4615 . . . . . {of spacers}
- 2002/4616 . . . . . {of temporo-mandibular joints}
- 2/4618 . . . . . {of cartilage}
- 2002/4619 . . . . . {for extraction}
- 2002/462 . . . . . {of broken endoprosthetic joint parts}
- 2002/4622 . . . . . {having the shape of a forceps or a clamp}
- 2002/4625 . . . . . {with relative movement between parts of the instrument during use}
- 2002/4627 . . . . . {with linear motion along or rotating motion about the instrument axis or the implantation direction, e.g. telescopic, along a guiding rod, screwing inside the instrument}
- 2002/4628 . . . . . {with linear motion along or rotating motion about an axis transverse to the instrument axis or to the implantation direction, e.g. clamping}
- 2002/4629 . . . . . {connected to the endoprosthesis or implant via a threaded connection}
- 2002/4631 . . . . . {the prosthesis being specially adapted for being cemented}
- 2002/4632 . . . . . {using computer-controlled surgery, e.g. robotic surgery}
- 2002/4633 . . . . . {for selection of endoprosthetic joints or for pre-operative planning}
- 2002/4635 . . . . . {using minimally invasive surgery}
- 2/4637 . . . . . {for connecting or disconnecting two parts of a prosthesis}
- 2002/4638 . . . . . {Tools for performing screwing, e.g. nut or screwdrivers, or particular adaptations therefor}
- 2002/4641 . . . . . {for disconnecting}
- 2/4644 . . . . . {Preparation of bone graft, bone plugs or bone dowels, e.g. grinding or milling bone material ([bone material A61F 2/28](#); [disintegrating or milling devices B02C](#))}
- 2002/4645 . . . . . {Devices for grinding or milling bone material}
- 2002/4646 . . . . . {Devices for cleaning bone graft}
- 2002/4648 . . . . . {Means for culturing bone graft}
- 2002/4649 . . . . . {Bone graft or bone dowel harvest sites}
- 2002/465 . . . . . {using heating means}
- 2002/4653 . . . . . {using cooling means}
- 2002/4655 . . . . . {for introducing lubricating fluid}
- 2/4657 . . . . . {Measuring instruments used for implanting artificial joints ([for surgical instruments A61B 90/06](#))}
- 2002/4658 . . . . . {for measuring dimensions, e.g. length}
- 2002/4659 . . . . . {for measuring a diameter}
- 2002/4661 . . . . . {for measuring thickness}
- 2002/4662 . . . . . {for measuring penetration depth}
- 2002/4663 . . . . . {for measuring volumes or other three-dimensional shapes}
- 2002/4664 . . . . . {for measuring conicities}
- 2002/4666 . . . . . {for measuring force, pressure or mechanical tension}
- 2002/4667 . . . . . {for measuring torque}
- 2002/4668 . . . . . {for measuring angles}
- 2002/467 . . . . . {for measuring fluid pressure}
- 2002/4671 . . . . . {for measuring resonant frequency}
- 2002/4672 . . . . . {for measuring temperature}
- 2002/4674 . . . . . {for measuring the pH}
- 2/4675 . . . . . {for cleaning or coating bones, e.g. bone cavities, prior to endoprosthesis implantation or bone cement introduction ([for cleaning teeth cavities A61C 17/00](#); [irrigators A61M 3/02](#))}
- 2002/4676 . . . . . {for coating the bony surface}
- 2002/4677 . . . . . {using a guide wire}
- 2/468 . . . . . {Testing instruments for artificial joints ([for testing non-implantable prostheses A61F 2/76](#))}
- 2002/4681 . . . . . {by applying mechanical shocks, e.g. by hammering}
- 2002/4683 . . . . . {by applying ultrasonic vibrations}
- 2/4684 . . . . . {Trial or dummy prostheses}
- 2002/4685 . . . . . {by means of vacuum}
- 2002/4687 . . . . . {Mechanical guides for implantation instruments}
- 2002/4688 . . . . . {having operating or control means}
- 2002/4689 . . . . . {acoustic}
- 2002/469 . . . . . {electrical}
- 2002/4692 . . . . . {fluid}
- 2002/4693 . . . . . {hydraulic}
- 2002/4694 . . . . . {pneumatic}
- 2002/4696 . . . . . {optical}
- 2002/4698 . . . . . {magnetic}
- 2/48 . . . . . Operating or control means, e.g. from outside the body, control of sphincters
- 2/481 . . . . . {Acoustic or audible means}
- 2/482 . . . . . {Electrical means}
- 2/484 . . . . . {Fluid means, i.e. hydraulic or pneumatic}
- 2/488 . . . . . {Means for detecting or monitoring wear}
- 2/50 . . . . . Prostheses not implantable in the body ([closure means for urethra or rectum or for artificial body openings therefor A61F 2/0004](#))}
- 2002/5001 . . . . . {Cosmetic coverings}
- 2002/5003 . . . . . {having damping means, e.g. shock absorbers}
- 2002/5004 . . . . . {operated by electro- or magnetorheological fluids}
- 2002/5006 . . . . . {Dampers, e.g. hydraulic damper}
- 2002/5007 . . . . . {having elastic means different from springs, e.g. including an elastomeric insert}
- 2002/5009 . . . . . {having two or more elastomeric blocks}
- 2002/501 . . . . . {having an inflatable pocket filled with fluid, i.e. liquid or gas}
- 2002/5012 . . . . . {having two or more inflatable pockets}
- 2002/5013 . . . . . {filled with particles}
- 2002/5015 . . . . . {hardenable fluid, e.g. curable in-situ or cold-hardening casting substance}
- 2002/5016 . . . . . {adjustable}
- 2002/5018 . . . . . {for adjusting angular orientation}
- 2002/502 . . . . . {for adjusting length}
- 2002/5021 . . . . . {for adjusting a position by translation along an axis}
- 2002/5023 . . . . . {along two perpendicular axes}
- 2002/5024 . . . . . {for adjusting thickness}
- 2002/5026 . . . . . {for adjusting a diameter}
- 2002/5027 . . . . . {for adjusting cross-section}

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2002/5029	. . .	{for adjusting weight or mass}	2002/5095	. . .	{for Achilles tendons}
2002/503	. . .	{for adjusting elasticity, flexibility, spring rate or mechanical tension}	2002/5096	. . .	{Ball-and-socket joints}
2002/5032	. . .	{for adjusting fluid pressure}	2002/5098	. . .	{with rotation-limiting means}
2002/5033	. . .	{for adjusting damping}	2/52	. . .	Mammary prostheses ( <a href="#">brassieres A41C 3/00</a> )
2002/5035	. . .	{for adjusting volume flow}	2002/523	. . .	{Multiple breast forms made of several concentric breast-shaped layers nested into one another}
2002/5036	. . .	{self-adjustable, e.g. self-learning}	2002/526	. . .	{Nipples}
2002/5038	. .	{Hinged joint, e.g. with transverse axle restricting the movement}	2/54	. .	Artificial arms or hands or parts thereof
2002/5039	. . .	{allowing only for single rotation}	2002/543	. . .	{Lower arms or forearms}
2002/5041	. . .	{having bearing bushes between the rotating parts}	2002/546	. . .	{Upper arms}
2002/5043	. . .	{with rotation-limiting stops, e.g. projections or recesses}	2/58	. . .	Elbows; Wrists {; Other joints; Hands}
2/5044	. .	{Designing or manufacturing processes}	2/581	. . . .	{Shoulder joints}
2/5046	. . .	{for designing or making customized prostheses, e.g. using templates, finite-element analysis or CAD-CAM techniques}	2/582	. . . .	{Elbow joints}
2002/5047	. . . .	{using mathematical models ( <a href="#">A61F 2002/505 takes precedence</a> )}	2/583	. . . .	{Hands; Wrist joints}
2002/5049	. . . .	{Computer aided shaping, e.g. rapid prototyping}	2/585	. . . .	{Wrist joints}
2002/505	. . . .	{using CAD-CAM techniques or NC-techniques}	2/586	. . . .	{Fingers}
2002/5052	. . . .	{Direct moulding or reforming to the stump}	2002/587	. . . .	{Thumbs}
2002/5053	. . . .	{using a positive or a negative model, e.g. casting model or mould}	2/588	. . . .	{Hands having holding devices shaped differently from human fingers, e.g. claws, hooks, tubes}
2002/5055	. . .	{Reinforcing prostheses by embedding particles or fibres during moulding or dipping, e.g. carbon fibre composites}	2/60	. .	Artificial legs or feet or parts thereof
2002/5056	. . .	{Laminates, i.e. layered products}	2/601	. . .	{Peg legs, e.g. wooden legs}
2002/5058	. .	{having means for restoring the perception of senses}	2/602	. . .	{with air cushions ( <a href="#">A61F 2/7843 takes precedence</a> )}
2002/5059	. . .	{the feeling of position}	2/604	. . .	{Joints for artificial legs ( <a href="#">A61F 2/605</a> , <a href="#">A61F 2/64</a> , <a href="#">A61F 2/6607 take precedence</a> )}
2002/5061	. . .	{the sense of touch}	2/605	. . .	{Hip joints}
2002/5063	. . .	{the feeling of temperature, i.e. of warmth or cold}	2002/607	. . .	{Lower legs}
2002/5064	. . .	{for reducing pain from phantom limbs}	2002/608	. . .	{Upper legs}
2002/5066	. .	{Muscles}	2/64	. . .	Knee joints
2002/5067	. .	{having rolling elements between articulating surfaces}	2/642	. . . .	{Polycentric joints, without longitudinal rotation}
2002/5069	. . .	{Ball bearings}	2/644	. . . .	{of the single-bar or multi-bar linkage type}
2002/507	. . .	{Roller bearings}	2/646	. . . .	{of the pin-guiding groove linkage type}
2002/5072	. .	{having spring elements}	2002/648	. . . .	{Patellae}
2002/5073	. . .	{Helical springs, e.g. having at least one helical spring}	2/66	. . .	Feet; Ankle joints
2002/5075	. . . .	{Multiple spring systems including two or more helical springs}	2/6607	. . . .	{Ankle joints}
2002/5076	. . . .	{Concentric outer and inner helical springs}	2002/6614	. . . .	{Feet}
2002/5078	. . .	{2-D spiral springs}	2002/6621	. . . .	{Toes}
2002/5079	. . .	{Leaf springs ( <a href="#">A61F 2002/6657 takes precedence</a> )}	2002/6628	. . . .	{Big toes}
2002/5081	. .	{Additional features}	2002/6635	. . . .	{Metatarsals}
2002/5083	. . .	{modular}	2002/6642	. . . .	{Heels}
2002/5084	. . .	{telescopic}	2002/665	. . . .	{Soles}
2002/5086	. . .	{Lubricating means}	2002/6657	. . . .	{having a plate-like or strip-like spring element, e.g. an energy-storing cantilever spring keel}
2002/5087	. . .	{Sound-damping or noise-reducing means}	2002/6664	. . . .	{Dual structures made of two connected cantilevered leaf springs}
2002/5089	. . .	{waterproof}	2002/6671	. . . .	{C-shaped}
2002/509	. . .	{specially designed for children, e.g. having means for adjusting to their growth}	2002/6678	. . . .	{L-shaped}
2002/5092	. . .	{Identification means}	2002/6685	. . . .	{S-shaped}
2002/5093	. .	{Tendon- or ligament-replacing cables}	2002/6692	. . . .	{circular or loop-shaped}
			2/68	. .	Operating or control means
			2002/6809	. . .	{acoustic}
			2002/6818	. . .	{for braking}
			2002/6827	. . .	{Feedback system for providing user sensation, e.g. by force, contact or position}
			2002/6836	. . .	{Gears specially adapted therefor, e.g. reduction gears}
			2002/6845	. . .	{Clutches}

- 2002/6854 . . . {for locking or unlocking a joint}
- 2002/6863 . . . {magnetic}
- 2002/6872 . . . {attached and mechanically operated by remaining muscle}
- 2002/6881 . . . {optical}
- 2002/689 . . . {Alarm means, e.g. acoustic}
- 2/70 . . . electrical
- 2002/701 . . . {operated by electrically controlled means, e.g. solenoids or torque motors}
- 2002/702 . . . {Battery-charging stations}
- 2002/704 . . . {computer-controlled, e.g. robotic control}
- 2002/705 . . . {Electromagnetic data transfer}
- 2002/707 . . . {Remote control}
- 2002/708 . . . {electrically self charging}
- 2/72 . . . Bioelectric control, e.g. myoelectric
- 2/74 . . . fluid {, i.e. hydraulic or pneumatic}
- 2/741 . . . {using powered actuators, e.g. stepper motors or solenoids}
- 2/742 . . . {Low pressure systems, e.g. vacuum pump}
- 2/744 . . . {Vane- or curved-cylinder type actuators, e.g. actuators using rotary pistons}
- 2/748 . . . {Valve systems}
- 2/76 . . . Means for assembling, fitting or testing prostheses, e.g. for measuring or balancing, {e.g. alignment means}
- 2002/7605 . . . {for assembling by heating}
- 2002/761 . . . {for assembling by cooling}
- 2002/7615 . . . {Measuring means}
- 2002/762 . . . {for measuring dimensions, e.g. a distance}
- 2002/7625 . . . {for measuring angular position}
- 2002/763 . . . {for measuring spatial position, e.g. global positioning system [GPS]}
- 2002/7635 . . . {for measuring force, pressure or mechanical tension}
- 2002/764 . . . {for measuring acceleration}
- 2002/7645 . . . {for measuring torque, e.g. hinge or turning moment, moment of force}
- 2002/765 . . . {for measuring time or frequency}
- 2002/7655 . . . {for measuring fluid pressure}
- 2002/766 . . . {for measuring moisture}
- 2002/7665 . . . {for measuring temperatures}
- 2002/767 . . . {for measuring blood pressure}
- 2002/7675 . . . {for measuring oxygen content}
- 2002/768 . . . {for measuring battery status}
- 2002/7685 . . . {located on natural or sound-site limbs, e.g. comparison measuring means}
- 2002/769 . . . {Displaying measured values}
- 2002/7695 . . . {Means for testing non-implantable prostheses}
- 2/78 . . . Means for protecting prostheses or for attaching them to the body, e.g. bandages, harnesses, straps, or stockings for the limb stump
- 2002/7806 . . . {using adhesive means}
- 2/7812 . . . {Interface cushioning members placed between the limb stump and the socket, e.g. bandages or stockings for the limb stump}
- 2002/7818 . . . {Stockings or socks for the limb stump}
- 2002/7825 . . . {Devices for putting-on or pulling-off stockings}
- 2002/7831 . . . {with a rope for pulling the sock inside the socket}
- 2002/7837 . . . {Sleeves for attaching or protecting, i.e. open ended hoses}
- 2/7843 . . . {Inflatable bladders}
- 2002/785 . . . {Pads, e.g. relief pads}
- 2002/7856 . . . {having finger loops or grips}
- 2002/7862 . . . {Harnesses or straps}
- 2002/7868 . . . {Means for putting-on or pulling-off prostheses}
- 2002/7875 . . . {with releasable ratchets or pegs}
- 2002/7881 . . . {using hook and loop-type fasteners}
- 2002/7887 . . . {for connecting limb exoprostheses to the stump bone}
- 2002/7893 . . . {using slide fasteners, e.g. zippers}
- 2/80 . . . Sockets, e.g. of suction type
- 2002/802 . . . {Suction sockets, i.e. utilizing differential air pressure to retain the prosthesis on the stump}
- 2002/805 . . . {having an air valve}
- 2002/807 . . . {having a vacuum reservoir chamber}
- 2/82 . . . Devices providing patency to, or preventing collapsing of, tubular structures of the body, e.g. stents (stent-grafts for tubular structures of the body other than blood vessels [A61F 2/04](#); stent-grafts for blood vessels [A61F 2/07](#); instruments specially adapted for placement or removal of stents or stent-grafts [A61F 2/95](#); for closing wounds, or holding wounds closed [A61B 17/04](#) - [A61B 17/115](#); dilators [A61M 29/00](#))
- 2002/821 . . . {Ostial stents}
- 2002/823 . . . {Stents, different from stent-grafts, adapted to cover an aneurysm}
- 2002/825 . . . {having longitudinal struts}
- 2002/826 . . . {more than one stent being applied sequentially}
- 2002/828 . . . {Means for connecting a plurality of stents allowing flexibility of the whole structure}
- 2/844 . . . folded prior to deployment
- 2/848 . . . having means for fixation to the vessel wall, e.g. barbs
- 2002/8483 . . . {Barbs}
- 2002/8486 . . . {provided on at least one of the ends}
- 2/852 . . . Two or more distinct overlapping stents
- 2/856 . . . Single tubular stent with a side portal passage
- 2/86 . . . Stents in a form characterised by the wire-like elements; Stents in the form characterised by a net-like or mesh-like structure
- 2/88 . . . the wire-like elements formed as helical or spiral coils ([forming a net-like or mesh-like structure A61F 2/90](#))
- 2/885 . . . {comprising a coil including a plurality of spiral or helical sections with alternate directions around a central axis}
- 2/89 . . . the wire-like elements comprising two or more adjacent rings flexibly connected by separate members
- 2/90 . . . characterised by a net-like or mesh-like structure
- 2/91 . . . made from perforated sheet material or tubes, e.g. perforated by laser cuts or etched holes
- 2/915 . . . with bands having a meander structure, adjacent bands being connected to each other
- 2002/91508 . . . {the meander having a difference in amplitude along the band}
- 2002/91516 . . . {the meander having a change in frequency along the band}

2002/91525	. . . . . {within the whole structure different bands showing different meander characteristics, e.g. frequency or amplitude}	4/00	<b>Methods or devices enabling patients or disabled persons to operate an apparatus or a device not forming part of the body</b> (operating or control means for prostheses <a href="#">A61F 2/48</a> , <a href="#">A61F 2/68</a> )
2002/91533	. . . . . {characterised by the phase between adjacent bands}	5/00	<b>Orthopaedic methods or devices for non-surgical treatment of bones or joints</b> (surgical instruments or methods for treatment of bones or joints, devices specially adapted therefor <a href="#">A61B 17/56</a> ); <b>Nursing devices; {Anti-rape devices}</b> (bandages, dressings or absorbent pads <a href="#">A61F 13/00</a> )
2002/91541	. . . . . {Adjacent bands are arranged out of phase}	5/0003	. {Apparatus for the treatment of obesity; Anti-eating devices (surgical instruments or methods for treatment of obesity, devices specially adapted therefor <a href="#">A61B 17/00</a> ; hollow or tubular parts of organs <a href="#">A61F 2/04</a> )}
2002/9155	. . . . . {Adjacent bands being connected to each other}	5/0006	. . {Diet or mouth appliances}
2002/91558	. . . . . {connected peak to peak}	5/0009	. . {External belts}
2002/91566	. . . . . {connected trough to trough}	5/0013	. . {Implantable devices or invasive measures}
2002/91575	. . . . . {connected peak to trough}	2005/0016	. . . {comprising measuring means}
2002/91583	. . . . . {by a bridge, whereby at least one of its ends is connected along the length of a strut between two consecutive apices within a band}	2005/002	. . . . {for sensing mechanical parameters}
2002/91591	. . . . . {Locking connectors, e.g. using male-female connections}	2005/0023	. . . . {for sensing chemical parameters}
2/92	. . Stents in the form of a rolled-up sheet expanding after insertion into the vessel {, e.g. with a spiral shape in cross-section}	5/0026	. . . {Anti-eating devices using electrical stimulation}
2/93	. . . circumferentially expandable by using ratcheting locks	5/003	. . . {inflatable}
2/94	. . Stents retaining their form, i.e. not being deformable, after placement in the predetermined place	5/0033	. . . . {with more than one chamber}
2/945	. . . hardenable, e.g. stents formed <u>in situ</u>	5/0036	. . . {Intragastrical devices}
2/95	. Instruments specially adapted for placement or removal of stents or stent-grafts	5/004	. . . . {remotely adjustable}
2002/9505	. . {having retaining means other than an outer sleeve, e.g. male-female connector between stent and instrument}	5/0043	. . . . . {using injection ports}
2002/9511	. . . {the retaining means being filaments or wires}	5/0046	. . . . . {with wireless means}
2/9517	. . {handle assemblies therefor}	5/005	. . . {Gastric bands}
2/9522	. . {Means for mounting a stent or stent-graft onto or into a placement instrument}	5/0053	. . . . {remotely adjustable}
2/9524	. . . {Iris-type crimpers}	5/0056	. . . . . {using injection ports}
2/9525	. . . {using a funnel}	5/0059	. . . . . {with wireless means}
2/9526	. . . {using a mandrel}	5/0063	. . . . . {wrapping the stomach}
2002/9528	. . {for retrieval of stents}	5/0066	. . . . {Closing devices for gastric bands}
2002/9534	. . {for repositioning of stents}	5/0069	. . . {in the wall of the stomach}
2/954	. . for placing stents or stent-grafts in a bifurcation	5/0073	. . . {in the abdominal cavity, e.g. not attached to the stomach}
2/958	. . Inflatable balloons for placing stents or stent-grafts	5/0076	. . . {preventing normal digestion, e.g. Bariatric or gastric sleeves}
2002/9583	. . . {Means for holding the stent on the balloon, e.g. using protrusions, adhesives or an outer sleeve}	5/0079	. . . . {Pyloric or esophageal obstructions}
2002/9586	. . . . {the means being inside the balloon}	5/0083	. . . . {Reducing the size of the stomach, e.g. gastroplasty (surgical interventions <a href="#">A61B 17/00</a> )}
2/962	. . having an outer sleeve	5/0086	. . . . . {using clamps, folding means or the like}
2002/9623	. . . {the sleeve being reinforced}	5/0089	. . {Instruments for placement or removal}
2/966	. . . with relative longitudinal movement between outer sleeve and prosthesis, e.g. using a push rod	5/0093	. {Rectal devices, e.g. for the treatment of haemorrhoids}
2/9661	. . . . {the proximal portion of the stent or stent-graft is released first}	5/0096	. {Anti-rape devices}
2/9662	. . . . {the middle portion of the stent or stent-graft is released first}	5/01	. Orthopaedic devices, e.g. splints, casts or braces
2002/9665	. . . . {with additional retaining means}	5/0102	. . {specially adapted for correcting deformities of the limbs or for supporting them; Ortheses, e.g. with articulations}
2/97	. . . the outer sleeve being splittable	5/0104	. . . {without articulation}
<b>3/00</b>	<b>Lengthening pieces for natural legs</b>	5/0106	. . . . {for the knees}
		5/0109	. . . . . {Sleeve-like structures}
		5/0111	. . . . . {for the feet or ankles}
		5/0113	. . . . . {Drop-foot appliances}
		5/0116	. . . . . {for connecting the feet to each other or to fixed surroundings ( <a href="#">A61F 5/0193</a> takes precedence)}
		5/0118	. . . . . {for the arms, hands or fingers}

A61F

- 5/012 . . . {inflatable}
  - 5/0123 . . . {for the knees ([A61F 5/0106](#) takes precedence)}
  - 5/0125 . . . . {the device articulating around a single pivot-point}
  - 5/0127 . . . {for the feet ([A61F 5/0111](#) takes precedence)}
  - 5/013 . . . {for the arms, hands or fingers ([A61F 5/0118](#) takes precedence)}
  - 2005/0132 . . . {Additional features of the articulation}
  - 2005/0134 . . . . {with two orthogonal pivots}
  - 2005/0137 . . . . {with two parallel pivots}
  - 2005/0139 . . . . . {geared}
  - 2005/0141 . . . . {with more than two parallel pivots}
  - 2005/0144 . . . . {Multibar}
  - 2005/0146 . . . . {combining rotational and sliding movements, e.g. simulating movements of a natural joint}
  - 2005/0148 . . . . . {Floating pivotal axis}
  - 2005/0151 . . . . {combining rotational and torsional movements}
  - 2005/0153 . . . . {combining rotational and stretching movements}
  - 2005/0155 . . . . {with actuating means}
  - 2005/0158 . . . . {with locking means}
  - 2005/016 . . . . . {in standing position}
  - 2005/0162 . . . . . {when weight is applied}
  - 2005/0165 . . . . . {with limits of movement}
  - 2005/0167 . . . . . {adjustable}
  - 2005/0169 . . . . . {with damping means}
  - 2005/0172 . . . . . {with cushions}
  - 2005/0174 . . . . . {laterally placed}
  - 2005/0176 . . . . . {supporting the patella}
  - 2005/0179 . . . . . {with spring means}
  - 2005/0181 . . . {Protectors for articulations}
  - 2005/0183 . . . . {Hip protectors, e.g. for elderly people}
  - 2005/0186 . . . . {Thumb protectors}
  - 2005/0188 . . . {having pressure sensors}
  - 5/019 . . . {Toe correcting or spreading devices}
  - 5/0193 . . {Apparatus specially adapted for treating hip dislocation; Abduction splints}
  - 5/0195 . . {Shoe-like orthopaedic devices for protecting the feet against injuries after operations}
  - 2005/0197 . . {with spring means}
  - 5/02 . . . Orthopaedic corsets ([arm-rests for use as writing aids B43L 15/00](#))
  - 5/022 . . . {consisting of one or more shells}
  - 5/024 . . . {having pressure pads connected in a frame for reduction or correction of the curvature of the spine}
  - 5/026 . . . {Back straightening devices with shoulder braces to force back the shoulder to obtain a correct curvature of the spine ([for clavicle fractures A61F 5/05808](#); [restraining devices A61F 5/37](#))}
  - 5/028 . . . {Braces for providing support to the lower back, e.g. lumbo sacral supports}
  - 5/03 . . . Corsets or bandages for abdomen, teat or breast support, with or without pads ([trusses A61F 5/24](#), [pressure-pads A61F 5/30](#)); [brassieres A41C 3/00](#))
- NOTE**
- Bandages for support of breasts or abdomen are classified in group [A61F 13/14](#)
- 5/04 . . . Devices for stretching or reducing fractured limbs; Devices for distractions; Splints ([plaster of Paris bandages A61F 13/04](#); [with surgery A61B 17/60](#))
  - 5/042 . . . . for extension or stretching
  - 5/048 . . . . . Traction splints
  - 5/05 . . . . for immobilising ([A61F 5/0102](#) takes precedence)
  - 5/055 . . . . . Cervical collars
  - 5/058 . . . . . Splints
  - 5/05808 . . . . . {Splints for clavicle fractures}
  - 5/05816 . . . . . {Inflatable splints}
  - 5/05825 . . . . . {Strips of substantially planar form}
  - 5/05833 . . . . . {Splints rigidified by vacuum evacuation}
  - 5/05841 . . . . . {for the limbs ([A61F 5/05816](#), [A61F 5/05833](#) take precedence)}
  - 5/0585 . . . . . {for the legs ([toe correcting devices A61F 5/019](#))}
  - 5/05858 . . . . . {for the arms ([restraining devices, e.g. slings A61F 5/37](#))}
  - 5/05866 . . . . . . {for wrists, hands, fingers or thumbs}
  - 5/05875 . . . . . . . {for fingers}
  - 5/05883 . . . . . {for the neck or head ([A61F 5/05816](#), [A61F 5/05833](#) take precedence; [cervical supports A61F 5/055](#))}
  - 5/05891 . . . . . {for the head, e.g. jaws, nose ([nose correcting A61F 5/08](#))}
  - 5/08 . . . Devices for correcting deformities of the nose (; [Devices for enlarging the nostril, e.g. for breathing improvement](#))
  - 5/10 . . . Devices for correcting deformities of the fingers
  - 5/11 . . . Devices for correcting deformities of the nails
  - 5/14 . . . Special medical insertions for shoes for flat-feet, club-feet or the like
  - 5/24 . . . Trusses
  - 5/26 . . . . with belt springs
  - 5/28 . . . . Supports for trusses
  - 5/30 . . . Pressure-pads ([corn-pads](#), [corn-rings A61F 13/06](#); [tourniquets A61B 17/132](#))
  - 5/32 . . . . Adjustable pressure pads
  - 5/34 . . . . Pressure pads filled with air or liquid ([valves specially adapted for medical use A61M 39/00](#); [connection of valves to inflatable elastic bodies B60C 29/00](#); [valves per se F16K](#))
  - 5/37 . . . Restraining devices for the body or for body parts {, e.g. [slings](#)}; [Restraining shirts \(handcuffs E05B 75/00\)](#)
  - 5/3707 . . . {for the head ([cervical supports A61F 5/055](#); [splints A61F 5/05883](#))}
  - 5/3715 . . . {for attaching the limbs to other parts of the body}
  - 5/3723 . . . . {for the arms}
  - 5/373 . . . . . {for restricting the movement of the arm at the elbow}
  - 5/3738 . . . . . {Slings}

- 5/3746 . . . . {Jacket-like sling}
- 5/3753 . . . . {Abduction support}
- 5/3761 . . {for attaching the limbs to other objects  
([A61F 5/3769](#) takes precedence)}
- 5/3769 . . {for attaching the body to beds, wheel-chairs or  
the like}
- 5/3776 . . . {by means of a blanket or belts (to chairs only  
[A61F 5/3792](#))}
- 5/3784 . . . . {directly connected to the trunk, e.g. with  
jacket}
- 5/3792 . . . {to chairs, e.g. wheelchairs ([A61F 5/3784](#) takes  
precedence)}
- 5/40 . Suspensory bandages
- 5/41 . Devices for promoting penis erection (penis  
implants [A61F 2/26](#); massage of the genitals  
[A61H 19/00](#))
- 2005/411 . . {Penile supports}
- 2005/412 . . {by vacuum means}
- 2005/414 . . {by constricting means}
- 2005/415 . . {by inflatable means}
- 2005/417 . . {by vibrating means}
- 2005/418 . . {by electrical stimulation}
- 5/44 . Devices worn by the patient for reception of urine,  
faeces, catamenial or other discharge; {Portable  
urination aids}(absorbent pads, e.g. sanitary towels,  
[A61F 13/15](#); drainage appliances for wounds  
[A61M 27/00](#); {emptying devices for urine bags  
[B65B 69/0016](#)}); Colostomy devices (adhesives  
for colostomy devices [A61L 24/00](#); materials for  
colostomy devices [A61L 28/00](#))
- 5/4401 . . {with absorbent pads (diapers [A61F 13/49](#))}
- 2005/4402 . . {disposable}
- 5/4404 . . {Details or parts}
- 5/4405 . . . {Valves or valve arrangements specially  
adapted therefor ([A61F 5/441](#) takes  
precedence); Fluid inlets or outlets  
([A61F 5/4407](#) takes precedence)}
- 5/4407 . . . {Closure means other than valves}
- 5/4408 . . . {Means for securing receptacles or bags to  
the body otherwise than by adhesives, e.g.  
belts, straps or harnesses ([A61F 5/449](#) takes  
precedence)}
- 5/441 . . having {venting or} deodorant means, e.g. filters  
{; having antiseptic means, e.g. bacterial barriers}
- 2005/4415 . . {venting by manual operation}
- 5/442 . . having irrigation ports or means (irrigators  
[A61M 3/02](#))
- 5/443 . . having {adhesive seals for securing to the body,  
e.g. of} hydrocolloid type, e.g. gels, starches,  
karaya gums {(adhesives or sealing pads therefor  
[A61L 24/00](#))}
- 5/445 . . Colostomy, {ileostomy or urethrostomy} devices  
([A61F 5/441](#), [A61F 5/442](#), [A61F 5/443](#) take  
precedence)
- 2005/4455 . . . {Implantable}
- 5/448 . . . Means for attaching bag to seal ring
- 2005/4483 . . . {Convex pressure ring}
- 2005/4486 . . . {with operable locking ring}
- 5/449 . . . Body securing means, e.g. belts, garments
- 2005/4495 . . . {with floating-belt attaching ring}
- 5/451 . . Genital {or anal} receptacles ([A61F 5/441](#),  
[A61F 5/442](#), [A61F 5/443](#) take precedence {; other  
body securing means [A61F 5/4408](#); devices for  
taking faeces samples [A61B 10/0038](#); devices for  
taking urine samples [A61B 10/007](#))}
- 5/453 . . . for collecting urine or other discharge  
from male member ([A61F 6/04](#) takes  
precedence {; devices for taking sperm samples  
[A61B 10/0058](#))}
- 5/455 . . . for collecting urine or discharge from female  
member
- 5/4553 . . . . {placed in the vagina, e.g. for catamenial  
use (pessaries [A61F 6/08](#); absorbent cups  
[A61F 13/2045](#))}
- 5/4556 . . . . {Portable urination aids, e.g. to allow  
females to urinate from a standing position}
- 5/48 . Devices for preventing wetting or pollution of the  
bed
- 5/485 . . {Absorbent protective pads (mattress underlays  
[A47C 21/06](#); bed linen [A47G 9/02](#))}
- 5/50 . Devices for preventing finger-sucking
- 5/56 . Devices for preventing snoring {(by influencing the  
respiratory system by gas treatment [A61M 16/00](#))}
- 2005/563 . . {Anti-bruxisme}
- 5/566 . . {Intra-oral devices}
- 5/58 . Apparatus for correcting stammering or stuttering
- 6/00 Contraceptive devices; Pessaries; Applicators  
therefor (chemical aspects of contraception [A61K](#))**
- 6/005 . {Packages or dispensers for contraceptive devices}
- 6/02 . for use by males ([A61F 6/20](#) takes precedence)
- 6/04 . . Condoms, sheaths or the like {, e.g. combined  
with devices protecting against contagion}
- 2006/041 . . . {combined with a protective garment, e.g.  
underpants or mask}
- 2006/042 . . . . {covering the mouth, e.g. oral condom}
- 2006/043 . . . {with more than one barrier}
- 2006/044 . . . {with absorbent material}
- 2006/045 . . . {with closing devices at the open end}
- 2006/046 . . . . {for closing after use}
- 2006/047 . . . {with holding means}
- 2006/048 . . . {with surface protuberances}
- 2006/049 . . . {with strips to apply the condom}
- 6/06 . for use by females ([A61F 6/20](#) takes precedence)
- 6/065 . . {Condom-like devices worn by females}
- 6/08 . . Pessaries, i.e. devices worn in the vagina to  
support the uterus, remedy a malposition or  
prevent conception {, e.g. combined with devices  
protecting against contagion}
- 6/12 . . . Inserters or removers
- 6/14 . . intra-uterine type
- 6/142 . . . {Wirelike structures, e.g. loops, rings, spirals}
- 6/144 . . . . {with T-configuration}
- 6/146 . . . {Occluders for the cervical canal (occluding  
by internal devices [A61B 17/12022](#); dilators  
[A61M 29/00](#))}
- 6/148 . . . {with sheet-like structure}
- 6/16 . . . inflatable
- 6/18 . . . Inserters or removers {; Apparatus for loading  
an intra-uterine device into an insertion tube}
- 6/20 . Vas deferens occluders; Fallopian occluders

- 6/202 . . {Means specially adapted for ligaturing, compressing or clamping of oviduct or vas deferens (of tubular organs in general [A61B 17/12](#))}
- 6/204 . . . {Clamp applying devices}
- 6/206 . . {Clamps (ligaturing clamps or clips [A61B 17/122](#))}
- 6/208 . . {Implements for ligaturing}
- 6/22 . . implantable in tubes {(occluding by internal devices [A61B 17/12022](#))}
- 6/225 . . . {transcervical}
- 6/24 . . . characterised by valve means
- 7/00 Heating or cooling appliances for medical or therapeutic treatment of the human body (heating or cooling means in connection with bedsteads or mattresses [A47C 21/00](#) (; massage, therapeutic baths [A61H](#)); hyperthermia using electric or magnetic fields or ultrasound [A61N](#); electric heating elements [H05B](#))**
- 2007/0001 . {Body part}
- 2007/0002 . . {Head or parts thereof}
- 2007/0003 . . . {Face}
- 2007/0004 . . . {Eyes or part of the face surrounding the eyes}
- 2007/0005 . . . {Ears}
- 2007/0006 . . . {Nose}
- 2007/0007 . . . {Forehead, e.g. headbands}
- 2007/0008 . . . {Scalp}
- 2007/0009 . . . {Throat or neck}
- 2007/001 . . . . {Throat only}
- 2007/0011 . . . . {Neck only}
- 2007/0012 . . . . . {with means for support of the head}
- 2007/0013 . . . {Jaw}
- 2007/0014 . . . {Chin}
- 2007/0015 . . . {Cheeks}
- 2007/0017 . . . {Mouth}
- 2007/0018 . . {Trunk or parts thereof}
- 2007/0019 . . . {Breast}
- 2007/002 . . . . {Heart}
- 2007/0021 . . . {Female breast}
- 2007/0022 . . . {Abdomen}
- 2007/0023 . . . {Waist}
- 2007/0024 . . . {Back}
- 2007/0025 . . . {Higher part of back}
- 2007/0026 . . . {Middle part of back}
- 2007/0027 . . . {Lower part of back}
- 2007/0028 . . . {Rectum}
- 2007/0029 . . {Arm or parts thereof}
- 2007/003 . . . {Shoulder}
- 2007/0031 . . . {Upper arm}
- 2007/0032 . . . {Elbow}
- 2007/0034 . . . {Lower arm}
- 2007/0035 . . . {Wrist}
- 2007/0036 . . . {Hand}
- 2007/0037 . . . {Finger}
- 2007/0038 . . . {Thumb}
- 2007/0039 . . {Leg or parts thereof}
- 2007/004 . . . {Hip}
- 2007/0041 . . . {Upper leg}
- 2007/0042 . . . {Knee}
- 2007/0043 . . . {Lower leg, calf}
- 2007/0044 . . . {Ankle}
- 2007/0045 . . . {Foot}
- 2007/0046 . . . {Toe}
- 2007/0047 . . . {Sole}
- 2007/0048 . . {Genitals}
- 2007/005 . . . {female}
- 2007/0051 . . {Stumps after amputation}
- 2007/0052 . . {for treatment of skin or hair}
- 7/0053 . {Cabins, rooms, chairs or units for treatment with a hot or cold circulating fluid}
- 2007/0054 . {with a closed fluid circuit, e.g. hot water}
- 2007/0055 . . {of gas, e.g. hot air or steam}
- 2007/0056 . . {for cooling}
- 2007/0057 . . . {of gas, e.g. air or carbon dioxide}
- 2007/0058 . . . {evaporating on or near the spot to be cooled}
- 2007/0059 . {with an open fluid circuit}
- 2007/006 . . {of gas}
- 2007/0061 . . . {Using breath}
- 2007/0062 . . . {the gas being steam or water vapour}
- 2007/0063 . . {for cooling}
- 2007/0064 . . . {of gas}
- 2007/0065 . . . . {Causing evaporation}
- 2007/0067 . . . . . {of sweat}
- 2007/0068 . . . {evaporating on the spot to be cooled}
- 2007/0069 . . {with return means}
- 7/007 . {characterised by electric heating}
- 2007/0071 . . {using a resistor, e.g. near the spot to be heated}
- 2007/0072 . . . {remote from the spot to be heated}
- 2007/0073 . . . {thermistor}
- 2007/0074 . . . . {PTC}
- 2007/0075 . . {using a Peltier element, e.g. near the spot to be heated or cooled}
- 2007/0076 . . . {remote from the spot to be heated or cooled}
- 2007/0077 . . {Details of power supply}
- 2007/0078 . . . {with a battery}
- 2007/0079 . . . . {connectable to car battery}
- 2007/008 . . . . {with a separate, portable battery pack}
- 2007/0081 . . . {Low voltage, e.g. using transformer}
- 2007/0082 . . . . {D.C. ([A61F 2007/0078](#) takes precedence)}
- 2007/0084 . . . {using a solar cell}
- 7/0085 . {Devices for generating hot or cold treatment fluids}
- 2007/0086 . {with a thermostat}
- 2007/0087 . {Hand-held applicators}
- 2007/0088 . {Radiating heat}
- 2007/0089 . {Chemotherapy developing heat}
- 2007/009 . {with a varying magnetic field acting upon the human body, e.g. an implant therein}
- 2007/0091 . {inflatable}
- 2007/0092 . . {with, or also with, a substance other than air}
- 2007/0093 . {programmed}
- 2007/0094 . {using a remote control}
- 2007/0095 . {with a temperature indicator}
- 2007/0096 . . {with a thermometer}
- 7/0097 . {Blankets with active heating or cooling sources ([warming mats A61F 7/08](#))}
- 2007/0098 . {ways of manufacturing heating or cooling devices for therapy}
- 7/02 . Compresses or poultices for effecting heating or cooling
- 2007/0201 . . {shaped as a doll}
- 2007/0203 . . {Cataplasms, poultices or compresses, characterised by their contents; Bags therefor}

- 2007/0204 . . . {containing clay, mud, fango, sand, kaolin clay, volcanic or other inorganic granular solids}
- 2007/0206 . . . {containing organic solids or fibres}
- 2007/0207 . . . . {Plants, dried plants, seeds or fruits}
- 2007/0209 . . . . {Synthetics, e.g. plastics}
- 2007/0211 . . . . . {Granulars}
- 2007/0212 . . . . . {Foams}
- 2007/0214 . . . . . {Polymers, e.g. water absorbing}
- 2007/0215 . . . {containing liquids other than water}
- 2007/0217 . . . . {Oils}
- 2007/0219 . . . . {Gels}
- 2007/022 . . . {Bags therefor}
- 2007/0222 . . . . {made of synthetics, e.g. plastics}
- 2007/0223 . . . . {made of textiles}
- 2007/0225 . . {connected to the body or a part thereof}
- 2007/0226 . . . {adhesive, self-sticking}
- 2007/0228 . . . {with belt or strap, e.g. with buckle}
- 2007/023 . . . . {with pockets for receiving packs or pouches}
- 2007/0231 . . . {hook and loop-type fastener}
- 2007/0233 . . . {connected to or incorporated in clothing or garments ([A61F 2007/023](#) takes precedence)}
- 2007/0234 . . . . {for the upper part of the trunk, e.g. bodice}
- 2007/0236 . . . . {for the lower part of the trunk, e.g. panty}
- 2007/0238 . . . . {in a pocket ([A61F 2007/023](#) takes precedence)}
- 2007/0239 . . . {using vacuum}
- 7/0241 . . {Apparatus for the preparation of hot packs, hot compresses, cooling pads, e.g. heaters or refrigerators}
- 2007/0242 . . {heated by microwaves}
- 2007/0244 . . {with layers}
- 2007/0246 . . . {with a layer having high heat transfer capability}
- 2007/0247 . . . . {Using a substance with high conductivity}
- 2007/0249 . . . {with a layer having low heat transfer capability}
- 2007/025 . . . . {retaining air or other gas}
- 2007/0252 . . . . . {in closed compartments}
- 2007/0253 . . . . {using a substance with low conductivity ([A61F 2007/025](#) takes precedence)}
- 2007/0255 . . . . {with a reflective layer}
- 2007/0257 . . . {with a fluid impermeable layer}
- 2007/0258 . . . {with a fluid permeable layer}
- 2007/026 . . . {with a fluid absorbing layer}
- 2007/0261 . . {medicated}
- 2007/0263 . . . {made of a substance with therapeutic action, e.g. copper or silver}
- 2007/0265 . . . {antiallergic}
- 2007/0266 . . {without external heat source, i.e. using one's own body heat ([A61F 2007/0061](#) takes precedence)}
- 2007/0268 . . {having a plurality of compartments being filled with a heat carrier}
- 2007/0269 . . . {with separable compartments, e.g. reconnectable}
- 2007/0271 . . . . {Permanently separable compartments, e.g. with rupturable portions}
- 2007/0273 . . . {with openings in the walls between the compartments serving as passageways for the filler}
- 2007/0274 . . . . {the walls being reduced to spot connections, e.g. spot welds}
- 2007/0276 . . . . {with separate compartments connectable by rupturing a wall or membrane}
- 2007/0277 . . . {Other details of hot water bottles, heat packs or cold packs}
- 2007/0279 . . . . {Removable covers or sleeves}
- 2007/028 . . . . {Devices for wringing}
- 2007/0282 . . . {for particular medical treatments or effects}
- 2007/0284 . . . . {Treatment of stings or bites}
- 2007/0285 . . . . {Local anaesthetic effect}
- 2007/0287 . . . . {Preventing negative effects of chemotherapy}
- 2007/0288 . . . . {during operations}
- 2007/029 . . . . {Fat cell removal or destruction by non-ablative heat treatment}
- 2007/0292 . . . {using latent heat produced or absorbed during phase change of materials, e.g. of super-cooled solutions}
- 2007/0293 . . . . {Triggers, activators or catalysts therefor}
- 2007/0295 . . . {for heating or cooling or use at more than one temperature}
- 2007/0296 . . . . {Intervals of heating alternated with intervals of cooling}
- 2007/0298 . . . . {with a section for heating and a section for cooling}
- 7/03 . . . thermophile, i.e. self-heating, {e.g. using a chemical reaction}
- 7/032 . . . . {using oxygen from the air, e.g. pocket-stoves}
- 7/034 . . . . . {Flameless}
- 2007/036 . . . . . {Fuels}
- 2007/038 . . . . . {Carbon or charcoal, e.g. active}
- 7/08 . . . Warming pads, pans or mats ([A61F 7/02](#) takes precedence); Hot-water bottles
- 2007/083 . . . {with an outlets tube, e.g. for enema or irrigation}
- 7/086 . . . {Closures; Filling openings}
- 7/10 . . . Cooling bags, e.g. ice-bags
- 2007/101 . . . {for cooling organs in the body before or during surgery}
- 7/103 . . . {refillable}
- 2007/105 . . . . {Closures specially adapted for icebags or packs}
- 7/106 . . . {self-cooling, e.g. using a chemical reaction}
- 2007/108 . . . . {Cold packs, i.e. devices to be cooled or frozen in refrigerator or freezing compartment}
- 7/12 . . . Devices for heating or cooling internal body cavities
- 7/123 . . . {using a flexible balloon containing the thermal element}
- 2007/126 . . . {for invasive application, e.g. for introducing into blood vessels}

**Treatment or protection of the eyes or ears; Substitution by other senses**

- 9/00** **Methods or devices for treatment of the eyes; Devices for putting-in contact lenses; Devices to correct squinting; Apparatus to guide the blind; Protective devices for the eyes, carried on the body or in the hand (caps with means for protecting the eyes [A42B 1/018](#); visors for helmets [A42B 3/22](#); retractors [A61B 17/02](#); manipulators specially adapted for use in surgery [A61B 34/70](#)); appliances to aid invalids to move about [A61H 3/00](#); exercisers for the eyes [A61H 5/00](#); eye baths [A61H 35/02](#); sunglasses or goggles having the same features as spectacles [G02C](#))**

- 9/0008 . . {Introducing ophthalmic products into the ocular cavity or retaining products therein ([putting in contact lenses A61F 9/0061](#); [introducing or retaining media in cavities of the body in general A61M 31/00](#))}
- 9/0017 . . {implantable in, or in contact with, the eye, e.g. ocular inserts}
- 9/0026 . . {Ophthalmic product dispenser attachments to facilitate positioning near the eye}
- 2009/0035 . . {Devices for immobilising a patient's head with respect to the instrument}
- 2009/0043 . . {by supporting the instrument on the patient's head, e.g. head bands}
- 2009/0052 . . . {the instrument being supported on the patient's eye}
- 9/0061 . . {Devices for putting-in contact lenses}
- 9/007 . . Methods or devices for eye surgery
- 9/00709 . . {Instruments for removing foreign bodies ([for removal of intra-ocular material A61F 9/00736](#))}
- 9/00718 . . {Restoration of lid function}
- 9/00727 . . {Apparatus for retinal reattachment}
- 9/00736 . . {Instruments for removal of intra-ocular material or intra-ocular injection, e.g. cataract instruments ([A61F 9/008 takes precedence](#))}
- 9/00745 . . . {using mechanical vibrations, e.g. ultrasonic}
- 9/00754 . . . {for cutting or perforating the anterior lens capsule, e.g. capsulotomes}
- 9/00763 . . . {with rotating or reciprocating cutting elements, e.g. concentric cutting needles ([atherectomy cutting instruments A61B 17/3207](#); [endoscopic cutting instruments A61B 17/320016](#))}
- 9/00772 . . {Apparatus for restoration of tear ducts}
- 9/00781 . . {Apparatus for modifying intraocular pressure, e.g. for glaucoma treatment ([drainage implants in general A61M 27/002](#))}
- 9/0079 . . {using non-laser electromagnetic radiation, e.g. non-coherent light or microwaves}
- 9/008 . . using laser
- 9/00802 . . . {for photoablation}
- 9/00804 . . . . {Refractive treatments}
- 9/00806 . . . . . {Correction of higher orders}
- 9/00808 . . . . . {Inducing higher orders, e.g. for correction of presbyopia}
- 9/0081 . . . . . {Transplantation}
- 9/00812 . . . . . {Inlays; Onlays; Intraocular lenses [IOL]}
- 9/00814 . . . . . {Laser features or special beam parameters therefor}
- 9/00817 . . . . . {Beam shaping with masks}
- 9/00819 . . . . . . {with photoablatable masks}
- 9/00821 . . . . . {for coagulation}
- 9/00823 . . . . . {Laser features or special beam parameters therefor}
- 9/00825 . . . . . {for photodisruption}
- 9/00827 . . . . . {Refractive correction, e.g. lenticle}
- 9/00829 . . . . . . {Correction of higher orders}
- 9/00831 . . . . . {Transplantation}
- 9/00834 . . . . . {Inlays; Onlays; Intraocular lenses [IOL]}
- 9/00836 . . . . . {Flap cutting}
- 9/00838 . . . . . {Correction of presbyopia}
- 9/0084 . . . . . {Laser features or special beam parameters therefor}
- 2009/00842 . . . . {Permanent Structural Change [PSC] in index of refraction; Limit between ablation and plasma ignition}
- 2009/00844 . . . . {Feedback systems}
- 2009/00846 . . . . . {Eyetracking}
- 2009/00848 . . . . . {based on wavefront}
- 2009/00851 . . . . . {Optical coherence topography [OCT]}
- 2009/00853 . . . . {Laser thermal keratoplasty or radial keratotomy}
- 2009/00855 . . . . {Calibration of the laser system}
- 2009/00857 . . . . . {considering biodynamics}
- 2009/00859 . . . . . {considering nomograms}
- 2009/00861 . . . . {adapted for treatment at a particular location}
- 2009/00863 . . . . . {Retina}
- 2009/00865 . . . . . {Sclera}
- 2009/00868 . . . . . {Ciliary muscles or trabecular meshwork}
- 2009/0087 . . . . . {Lens}
- 2009/00872 . . . . . {Cornea}
- 2009/00874 . . . . . {Vitreous}
- 2009/00876 . . . . . {Iris}
- 2009/00878 . . . . {Planning}
- 2009/0088 . . . . . {based on wavefront}
- 2009/00882 . . . . . {based on topography}
- 2009/00885 . . . . {for treating a particular disease}
- 2009/00887 . . . . . {Cataract}
- 2009/00889 . . . . . . {Capsulotomy}
- 2009/00891 . . . . . {Glaucoma}
- 2009/00893 . . . . . {Keratoconus}
- 2009/00895 . . . . . {Presbyopia}
- 2009/00897 . . . . {Scanning mechanisms or algorithms}
- 9/009 . . . . Auxiliary devices making contact with the eyeball and coupling in laser light, (e.g. [goniolenes apparatus for eye examination A61B 3/0008](#))}
- 9/013 . . . {Instruments} for compensation of ocular refraction ([A61F 9/008 takes precedence](#)){; Instruments for use in cornea removal, for reshaping or performing incisions in the cornea}
- 9/0133 . . . . {Knives or scalpels specially adapted therefor}
- 9/0136 . . . . {Mechanical markers}
- 9/02 . . Goggles ([breathing masks A62B 18/00](#); [swimming goggles A63B 33/002](#); [diving masks B63C 11/12](#))}
- 2009/021 . . . {Goggles with prescription spectacle lenses}
- 9/022 . . . {Use of special optical filters, e.g. multiple layers, filters for protection against laser light or light from nuclear explosions, screens with different filter properties on different parts of the screen; Rotating slit-discs ([optical filters per se G02B 5/20](#))}
- 9/023 . . . . {with variable transmission, e.g. photochromic ([for welding A61F 9/067](#))}
- 9/024 . . . . {Rotating discs with slits, e.g. stroboscopes}
- 9/025 . . . . {Special attachment of screens, e.g. hinged, removable; Roll-up protective layers}
- 9/026 . . . . {Paddings; Cushions; Fittings to the face}
- 9/027 . . . . {Straps; Buckles; Attachment of headbands}
- 9/028 . . . . {Ventilation means}
- 9/029 . . . . {Additional functions or features, e.g. protection for other parts of the face such as ears, nose or mouth; Screen wipers or cleaning devices}

- 9/04 . Eye-masks {; Devices to be worn on the face, not intended for looking through; Eye-pads for sunbathing (eye-bandages [A61F 13/12](#); protective face-masks [A41D 13/11](#); protectors for shampooing [A45D](#))}
- 9/045 . . {Eye-shades or visors; Shields beside, between or below the eyes (caps with means for protecting the eyes [A42B 1/018](#))}
- 9/06 . . Masks, shields or hoods for welders (safety devices for welding in general [F16P 1/00](#))
- 9/061 . . . {with movable shutters, e.g. filter discs; Actuating means therefor}
- 9/062 . . . . {with movable polarising filter discs}
- 9/064 . . . {with two windows, one for viewing and one for use during the welding process}
- 9/065 . . . {use of particular optical filters ([A61F 9/022](#), [A61F 9/062](#) take precedence)}
- 9/067 . . . . {with variable transmission}
- 9/068 . . . {with supply or suction of gas, air or smoke inside or outside the welding hood}
- 9/08 . Devices or methods enabling eye-patients to replace direct visual perception by another kind of perception
- 11/00 Methods or devices for treatment of the ears or hearing sense (implantable prostheses that substitute or replace internal ear parts, e.g. ear-drums, [A61F 2/18](#); methods or devices to cause a change in the state of auditory consciousness [A61M 21/00](#); electrotherapy applying electrical stimulation of the auditory system, or circuits therefor [A61N 1/36](#); radiotherapy using optical stimulation of the auditory system [A61N 5/06](#); electro-acoustic hearing aids [H04R 25/00](#)); Non-electric hearing aids; Methods or devices for enabling ear patients to achieve auditory perception through physiological senses other than hearing sense; Protective devices for the ears, carried on the body or in the hand (headwear, e.g. caps or helmets, with means for protecting the ears [A42B 1/0188](#), [A42B 3/16](#))**
- 11/006 . {Ear cleaners, e.g. cures (cotton tips [A61F 13/38](#); cleaning by suction [A61M 1/71](#), by irrigation [A61M 3/02](#))}
- 11/04 . Methods or devices for enabling ear patients to achieve auditory perception through physiological senses other than hearing sense, e.g. through the touch sense {(electronic stimulation of auditory nerves [A61N 1/36036](#))}
- 11/045 . . {using mechanical stimulation of nerves}
- 11/06 . Protective devices for the ears
- 11/08 . . internal, e.g. earplugs
- 11/085 . . . {including an inner channel}
- 11/10 . . . inflatable or expandable
- 11/12 . . . External mounting means
- 11/14 . . external, e.g. earcaps or earmuffs
- 11/145 . . . {electric, e.g. for active noise reduction}
- 11/20 . Ear surgery
- 11/202 . . {Surgical middle-ear ventilation or drainage, e.g. permanent; Implants therefor}
- 11/30 . Non-electric hearing aids, e.g. ear trumpets, sound amplifiers or ear-shells

**Bandages, dressings or absorbent pads; First-aid kits**

- 13/00 Bandages or dressings (radioactive dressings [A61N 5/1029](#)); Absorbent pads**
- 13/00051 . {Accessories for dressings}
- 13/00055 . . {Saturation indicators}
- 13/00059 . . {provided with visual effects, e.g. printed or colored}
- 13/00063 . . {comprising medicaments or additives, e.g. odor control, PH control, debriding, antimicrobial (drug delivery dressings [A61K 9/70](#); chemical aspect of the additives [A61L 15/00](#))}
- 13/00072 . . {Packaging of dressings}
- 13/00076 . . . {Packaging of adhesive dressings}
- 13/0008 . . . . {having means for facilitating the removal of the packaging and release liner}
- 13/00085 . . {having means for facilitating the application on the skin, e.g. single hand handling facilities ([A61F 13/0259](#) takes precedence; bandage applicators separate from the bandage or the packaging [A61F 15/005](#))}
- 2013/00089 . {Wound bandages ([A61F 2013/00361](#) takes precedence;)}
- 2013/00093 . . {tubular}
- 2013/00097 . . . {net structure}
- 2013/00102 . . {oblong}
- 2013/00106 . . {emergency bandages, e.g. for first aid}
- 2013/0011 . . . {spray}
- 2013/00114 . . . {with check valve, e.g. for traumatic pneumothorax}
- 2013/00119 . . {elastic}
- 2013/00123 . . . {with elastic indicator}
- 2013/00127 . . . {fixation means}
- 2013/00131 . . . {elasticity distribution}
- 2013/00136 . . . . {anisotropy}
- 2013/0014 . . . . {non-linearity}
- 2013/00144 . . . . {transversal distribution}
- 2013/00148 . . . . {longitudinal distribution}
- 2013/00153 . . {coloured or with decoration pattern or printing}
- 2013/00157 . . {for burns or skin transplants ([A61F 2013/00187](#) takes precedence; not adhering to the wound [A61F 2013/00217](#))}
- 2013/00161 . . . {with wax, e.g. petroleum or bees}
- 2013/00165 . . {not touching the wound}
- 2013/0017 . . {possibility of applying fluid}
- 2013/00174 . . . {possibility of applying pressure}
- 2013/00178 . . . . {hand-held CO<sub>2</sub> cylinder, e.g. sparklet}
- 2013/00182 . . {with transparent part}
- 2013/00187 . . {insulating; warmth or cold applying}
- 2013/00191 . . . {cooled by evaporation}
- 2013/00195 . . . {electric warmer}
- 2013/002 . . . {with temperature control}
- 2013/00204 . . . {insulating}
- 2013/00208 . . . . {by a high viscosity, low conductivity liquid}
- 2013/00212 . . . . {infrared absorbing or reflecting}
- 2013/00217 . . {not adhering to the wound}
- 2013/00221 . . . {biodegradable, non-irritating}
- 2013/00225 . . . . {with non-degradable reinforcing layer, net or mesh}
- 2013/00229 . . . {with alginate}
- 2013/00234 . . . {metallic layer}
- 2013/00238 . . {characterised by way of knitting or weaving}

2013/00242	. . . {to avoiding fraying or pilling}	2013/00472	. . . . {with chemical means}
2013/00246	. . {in a special way pervious to air or vapours}	2013/00476	. . . {for nose}
2013/00251	. . . {with macroscopic openings}	2013/0048	. . . {for toes}
2013/00255	. . . {with pores}	2013/00485	. . . . {treating of athlete's foot}
2013/00259	. . . {thin film}	2013/00489	. . . {for bracing or strapping}
2013/00263	. . . {vapour permeability >500 g/m <sup>2</sup> /24h}	2013/00493	. . . . {torso}
2013/00268	. . . {impervious, i.e. occlusive bandage}	2013/00497	. . . {eye patch}
2013/00272	. . {protection of the body or articulation}	2013/00502	. . . . {for eyelids}
2013/00276	. . . {for itching skin}	2013/00506	. . . {for treating warts}
2013/0028	. . {applying of mechanical pressure; passive massage}	2013/0051	. . . {for treating insect bite}
2013/00285	. . {medication confinement}	2013/00514	. . . . {ticks}
2013/00289	. . {easy removing of the protection sheet}	2013/00519	. . . {for treating burn}
2013/00293	. . {anallergic or hypoallergic material}	2013/00523	. . . . {with hydrogel}
2013/00297	. . {safety barrier for protection of the operator}	2013/00527	. . . . {artificial skin}
2013/00302	. . . {devices for handling dressings}	2013/00531	. . . {for exfoliation}
2013/00306	. . . {dressing for protection of the operator during surgical procedure}	2013/00536	. . . {for draining or irrigating wounds}
2013/0031	. . . {for handling common life objects, e.g. telephone}	2013/0054	. . . {for deep wounds}
2013/00314	. . {with surface treatments}	2013/00544	. . {form or structure}
2013/00319	. . . {to make surface hydrophobic}	2013/00548	. . . {net}
2013/00323	. . . {to make surface hydrophilic}	2013/00553	. . . {with detachable parts}
2013/00327	. . . {to create projections or depressions in surface}	2013/00557	. . . . {detachable absorbent pad}
2013/00331	. . . {lubricants}	2013/00561	. . . . {with adhesive connecting means}
2013/00336	. . . {polymeric resins}	2013/00565	. . . . {with hook and loop-type fastener connecting means}
2013/0034	. . {with triboelectric materials}	2013/0057	. . . . {with openable cover}
2013/00344	. . . {for increasing oxygen partial pressure}	2013/00574	. . . . {shaped as a body part ( <a href="#">A61F 2013/00187</a> take precedence; use of plasters <a href="#">A61F 2013/00365</a> ; containing means for different purposes <a href="#">A61F 2013/00902</a> )}
2013/00348	. . {lint-free, i.e. non-linting or frying ( <a href="#">A61F 2013/00242</a> takes precedence)}	2013/00578	. . . . {conformable; soft or flexible, e.g. elastomeric}
2013/00353	. . {for red nails, in-grown nails or felons (inflamed digits)}	2013/00582	. . . {Properties of backing}
2013/00357	. . {implanted wound fillings or covers}	2013/00587	. . . . {Thickness}
2013/00361	. {Plasters}	2013/00591	. . . . {breaking stress or force}
2013/00365	. . {use}	2013/00595	. . . . {breaking strain or extension}
2013/0037	. . . {for cosmesis}	2013/006	. . . . {Elastic modulus}
2013/00374	. . . . {against wrinkles, e.g. face lift}	2013/00604	. . . {Multilayer}
2013/00378	. . . . {coloured as the skin}	2013/00608	. . . . {with reinforcing layers}
2013/00382	. . . . {reconstructing the body shape}	2013/00612	. . . . {with different thickness}
2013/00387	. . . {skin protection}	2013/00617	. . . . {with different hardness}
2013/00391	. . . . {from irradiation, e.g. sun}	2013/00621	. . . {cast}
2013/00395	. . . . {from skin abrasion}	2013/00625	. . . . {in situ}
2013/004	. . . . {from liquid water}	2013/00629	. . . . {on a model}
2013/00404	. . . . {against blisters or bed sores}	2013/00634	. . . . {foam}
2013/00408	. . . . {shield for protection against hypodermic needles}	2013/00638	. . . . {Gel}
2013/00412	. . . {for use with needles, tubes or catheters}	2013/00642	. . . {soluble, e.g. in water}
2013/00417	. . . . {pierced by needle}	2013/00646	. . . {Medication patches, e.g. transcutaneous}
2013/00421	. . . . {with double adhesive layer}	2013/00651	. . . . {tapered, bevelled or chamfered}
2013/00425	. . . {for removing of external skin layer, e.g. prepping}	2013/00655	. . . {adhesive}
2013/00429	. . . {for conducting tests}	2013/00659	. . . {polymeric base}
2013/00434	. . . . {Epicutaneous test}	2013/00663	. . . . {acrylic}
2013/00438	. . . . {blood tests}	2013/00668	. . . . {Ether}
2013/00442	. . . . {using electrodes}	2013/00672	. . . . {cyano-acrylic}
2013/00446	. . . {for oriental medicine}	2013/00676	. . . {hydrogel}
2013/00451	. . . {for surgical sutures, e.g. butterfly type}	2013/0068	. . . . {cross-linked by radiations, e.g. electron beam}
2013/00455	. . . . {for protection of suture stitches}	2013/00685	. . . {soluble in liquid, e.g. of particular pH}
2013/00459	. . . . {with cyano-acrylic adhesive}	2013/00689	. . . {water-based}
2013/00463	. . . {haemostatic}	2013/00693	. . . {oil-based}
2013/00468	. . . . {applying local pressure}	2013/00697	. . . {elastomer-, e.g. rubber- based}
		2013/00702	. . . . {silicon-based}
		2013/00706	. . . {basis weight}

2013/0071	. . . {containing active agent}	2013/00953	. . . . {temperature}
2013/00714	. . . {adhesives for mucosae}	2013/00957	. . . . {pressure}
2013/00719	. . . {adhesives for use on wounds}	2013/00961	. . . . {electrical conductivity}
2013/00723	. . . {non-adhesive skin fixation}	2013/00965	. . . . {microbiological activity}
2013/00727	. . {means for wound humidity control}	2013/0097	. . . . {oxygen content}
2013/00731	. . . {with absorbing pads}	2013/00974	. . . {for writing or drawing, e.g. labels}
2013/00736	. . . . {containing zeolites}	2013/00978	. . {attachments assembly for prosthesis; pouch, e.g. ostomy}
2013/0074	. . . . {containing foams}	2013/00982	. . {anallergic or hypoallergic material}
2013/00744	. . . . {containing non-woven}	13/00987	. {Apparatus or processes for manufacturing non-adhesive dressings or bandages}
2013/00748	. . . {with hydrocolloids or superabsorbers}	13/00991	. . {for treating webs, e.g. for moisturising, coating, impregnating or applying powder}
2013/00753	. . . . {superabsorbent fabric of cloth}	13/00995	. . . {for mechanical treatments}
2013/00757	. . . {with absorbent adhesives}	13/01	. Non-adhesive bandages or dressings
2013/00761	. . . {with permeable adhesive layers}	13/01008	. . {characterised by the material}
2013/00765	. . . . {continuous layer}	13/01012	. . . {being made of natural material, e.g. cellulose-, protein-, collagen-based}
2013/0077	. . . . {arranged in lines}	13/01017	. . . {synthetic, e.g. polymer based}
2013/00774	. . . . {arranged in discrete dots}	13/01021	. . {characterised by the structure of the dressing}
2013/00778	. . . . {porous layers}	13/01025	. . . {made of a single layer}
2013/00782	. . . . {with macroscopic openings}	13/01029	. . . {made of multiple layers}
2013/00787	. . . {fumed silica}	13/01034	. . {characterised by a property}
2013/00791	. . . {device for evaporation of essudates}	13/01038	. . . {Flexibility, stretchability or elasticity}
2013/00795	. . {special helping devices}	13/01042	. . . {Absorbency}
2013/008	. . . {easy removing of the protection sheet}	13/01046	. . . {Air-vapor permeability}
2013/00804	. . . . {different adhesion of different adhesive layers}	13/02	. Adhesive bandages or dressings
2013/00808	. . . . {force step in removing the protection layer}	13/0203	. . with fluid retention members
2013/00812	. . . . {perforate or breakable zones}	13/0206	. . . with absorbent fibrous layers, e.g. woven or non-woven absorbent pads or island dressings
2013/00817	. . . {handles or handling tabs}	13/0209	. . . . {comprising superabsorbent material}
2013/00821	. . . . {with hinge means}	13/0213	. . . {the fluid retention member being a layer of hydrocolloid, gel forming material}
2013/00825	. . . {protection of wound surround}	13/022	. . . {having more than one layer with different fluid retention characteristics}
2013/00829	. . . {rigid or semi-rigid backing}	13/0223	. . . {characterized by parametric properties of the fluid retention layer, e.g. absorbency, wicking capacity, liquid distribution}
2013/00834	. . . . {as a frame}	13/0226	. . . {characterised by the support layer}
2013/00838	. . . {changing the adhesion force with strain value}	13/023	. . {wound covering film layers without a fluid retention layer}
2013/00842	. . . {for tearing off dressing of desired size}	13/0233	. . . {characterised by the occlusive layer skin contacting layer}
2013/00846	. . {with transparent or translucent part}	13/0236	. . . {characterised by the application/handling support layer}
2013/00851	. . . {with grid or reference marks}	13/024	. . . . {the application or handling support layer being removable}
2013/00855	. . {pervious to air or vapours}	13/0243	. . . {characterised by the properties of the skin contacting layer, e.g. air-vapor permeability}
2013/00859	. . . {with macroscopic openings}	13/0246	. . characterised by the skin-adhering layer
2013/00863	. . . {with pores}	13/025	. . . {having a special distribution arrangement of the adhesive}
2013/00868	. . . {thin film}	13/0253	. . . {characterised by the adhesive material}
2013/00872	. . . {with controlled oxygen permeability}	13/0256	. . . {characterized by the parametric properties of the adhesive}
2013/00876	. . . {vapour permeability >500 g/mg/24h}	13/0259	. . {characterised by the release liner covering the skin adhering layer}
2013/0088	. . . . {adjustable to a predetermined value}	13/0263	. . . {especially adapted for island dressings}
2013/00885	. . . {impervious, i.e. occlusive bandage}	13/0266	. . . {especially adapted for wound covering/occlusive dressings}
2013/00889	. . . . {waterproof}		
2013/00893	. . . . {viscoelastic oil-elastomer gel}		
2013/00897	. . {package for individual plaster}		
2013/00902	. . {containing means}		
2013/00906	. . . {for transcutaneous or transdermal drugs application}		
2013/0091	. . . {with disinfecting or anaesthetics means, e.g. anti-mycrobic}		
2013/00914	. . . {with deodorising or perfuming means}		
2013/00919	. . . {for physical therapy, e.g. cold or magnetic}		
2013/00923	. . . . {triboelectricity}		
2013/00927	. . . {with biological activity, e.g. enzymes for debriding wounds or others, collagen or growth factors}		
2013/00931	. . . . {chitin}		
2013/00936	. . . {metal}		
2013/0094	. . . {for sensing physical parameters}		
2013/00944	. . . . {humidity; moisture}		
2013/00948	. . . . {Ph, e.g. acid}		

- 13/0269 . . {Tapes for dressing attachment (for stoma bags [A61F 5/443](#); for nappies or sanitary towels [A61F 13/58](#); wound closure tapes [A61B 17/085](#); for surgical drapes [A61B 46/00](#); attaching catheters [A61M 25/02](#))}
- 13/0273 . . {Adhesive bandages for winding around limb, trunk or head, e.g. cohesive}
- 13/0276 . . {Apparatus or processes for manufacturing adhesive dressings or bandages}
- 13/0279 . . . {by attaching individual patches on moving webs}
- 13/0283 . . . {for making adhesive or cohesive tape or fabrics therefor, e.g. coating or mechanical treatments}
- 13/0286 . . . {manufacturing of non adhesive dressings}
- 13/0289 . . . {manufacturing of adhesive dressings}
- 13/0293 . . . {manufacturing of plaster of Paris}
- 2013/0296 . . . {for making transdermal patches (chemical processes excluded)}
- 13/04 . . Plaster of Paris bandages; Other stiffening bandages ([A61F 13/06](#) - [A61F 13/15](#) take precedence)
- 13/041 . . {Accessories for stiffening bandages, e.g. cast liners, heel-pieces}
- 13/043 . . . {Shoe-like cast covers; Cast socks ([A61F 15/004](#) takes precedence; shoe-like orthopaedic devices for protecting the feet against injuries after operations [A61F 5/0195](#); walking soles [A61F 13/045](#))}
- 13/045 . . . {Walking soles or heels}
- 13/046 . . . {Incorporated ventilation or cooling devices}
- 13/048 . . . {Braces for connecting two cast parts, e.g. hinged cast braces ([orthoses A61F 5/0102](#))}
- 13/05 . . specially adapted for use with sub-pressure or over-pressure therapy, wound drainage or wound irrigation, e.g. for use with negative-pressure wound therapy [NPWT]
- 13/06 . . specially adapted for feet or legs; Corn-pads; Corn-rings
- 13/061 . . {for knees (incorporating non-textile reinforcing elements, e.g. springs or stays, [A61F 5/0111](#); Patella supports)}
- 13/062 . . . {Openable readjustable}
- 13/063 . . {Corn-pads; Corn-rings}
- 13/064 . . {for feet (incorporating non-textile reinforcing elements, e.g. springs or stays [A61F 5/0111](#); corn-pads, corn-rings [A61F 13/063](#))}
- 13/065 . . . {Looped bandages around the forefoot ([A61F 13/068](#) takes precedence)}
- 13/066 . . . {for the ankle}
- 13/067 . . . {for the sole of the foot (rigid shoe insertions for supporting the sole [A61F 5/14](#))}
- 13/068 . . . {for the toes (toe correcting or spreading devices [A61F 5/019](#))}
- 13/069 . . . {Decubitus ulcer bandages}
- 13/08 . . Elastic stockings; for contracting aneurisms
- 13/085 . . . {Openable readjustable}
- 13/10 . . specially adapted for fingers, hands, or arms; Finger-stalls; Nail-protectors ([restraining devices for arms A61F 5/37](#); shoulder bandages [A61F 13/14](#))}
- 13/101 . . {for the elbow, e.g. decubitus ulcer bandages ([A61F 13/107](#) takes precedence)}
- 13/102 . . . {Openable readjustable}
- 13/104 . . {for the hands or fingers ([A61F 13/107](#) takes precedence)}
- 13/105 . . . {for the fingers; Finger-stalls; Nail-protectors (devices for correcting deformities of the nails [A61F 5/11](#))}
- 13/107 . . {for wrist support (incorporating non-textile reinforcing elements, e.g. springs or metal braces [A61F 5/0118](#)); Compression devices for tennis elbow (epicondylitis)}
- 13/108 . . . {Openable readjustable}
- 13/12 . . specially adapted for the head or neck
- 13/122 . . {specially adapted for the face}
- 13/124 . . . {specially adapted for the eyes}
- 13/126 . . . {specially adapted for the nose}
- 13/128 . . {specially adapted for the neck}
- 13/14 . . specially adapted for the breast or abdomen ([corsets or bandages for support of breast or abdomen A61F 5/03](#))
- 13/141 . . {Milk breast pads}
- 13/143 . . {Thorax bandages or bandaging garments}
- 13/145 . . . {specially adapted for the female anatomy}
- 13/146 . . {Shoulder bandages or bandaging garments}
- 13/148 . . {Abdomen bandages or bandaging garments}
- 13/15 . . Absorbent pads, e.g. sanitary towels, swabs or tampons for external or internal application to the body ([non-absorbent catamenial receptacles A61F 5/44](#)); Supporting or fastening means therefor; Tampon applicators
- 2013/15008 . . {characterized by the use}
- 2013/15016 . . . {for breast; pads for bras}
- 2013/15024 . . . {for protecting the body against ulcers}
- 2013/15032 . . . {as umbilical bandage}
- 2013/1504 . . . . {for avoiding contact with umbilical region}
- 2013/15048 . . . {for protection against contamination, or protection in using body disinfecting wipes}
- 2013/15056 . . . . {for the protection for furniture, e.g. car seats, chairs, beds}
- 2013/15065 . . . . {for protecting in contaminated ambience, e.g. NBC or industrial chemicals}
- 2013/15073 . . . {as drapes}
- 2013/15081 . . . {as prophylaxis}
- 2013/15089 . . . . {as facial prophylaxis}
- 2013/15097 . . . . {as genital prophylaxis}
- 2013/15105 . . . . {as contraceptive, e.g. condom}
- 2013/15113 . . . {for haemorrhoids}
- 2013/15121 . . . {for mild incontinence}
- 2013/1513 . . . {for anal discharge}
- 2013/15138 . . . . {for flatus, i.e. gas}
- 2013/15146 . . . {for urine collection}
- 2013/15154 . . . {for hospitalised patients}
- 2013/15162 . . . {for jaundice phototherapy, i.e. UV light-permeable or transparent materials}
- 2013/1517 . . . {for puerperae, i.e. after childbirth}
- 2013/15178 . . . {for prevention and therapy of hip dysplasia or subluxation}
- 2013/15186 . . . {for animals}
- 2013/15195 . . . {as swimwear}
- 13/15203 . . {Properties of the article, e.g. stiffness or absorbency ([chemical aspects A61L 15/00](#))}
- 13/15211 . . . {soluble or disintegratable in liquid}
- 2013/15219 . . . . {by mechanical separation of water resistant parts}
- 2013/15227 . . . . {by its solubility in particular Ph solution}

- 2013/15235 . . . . {by its solubility in water}
- 2013/15243 . . . {printed or coloured, e.g. to match skin}
- 13/15252 . . . {compostable or biodegradable}
- 2013/1526 . . . . {compostable}
- 13/15268 . . . {reusable (with separable parts [A61F 13/505](#))}
- 2013/15276 . . . {washable}
- 2013/15284 . . . {characterized by quantifiable properties}
- 2013/15292 . . . . {Resistance, i.e. modulus or strength}
- 2013/153 . . . . . {in dry conditions}
- 2013/15308 . . . . . {in wet conditions, i.e. wet strength}
- 2013/15317 . . . . . {Wet compressibility, i.e. void volume/gr}
- 2013/15325 . . . . . {Stress relaxation or compression recovery}
- 2013/15333 . . . . . {to hot, e.g. 90 decC washing procedures}
- 2013/15341 . . . . . {to fire or flame}
- 2013/15349 . . . . . {with controlled smoke emission}
- 2013/15357 . . . . {Stiffness, e.g. Taber rigidity}
- 2013/15365 . . . . {Dimensions}
- 2013/15373 . . . . . {Calliper, i.e. thickness}
- 2013/15382 . . . . . {Reduced thickness}
- 2013/1539 . . . . . {being expandable}
- 2013/15398 . . . . . {for giving the illusion of a thick absorbent pad}
- 2013/15406 . . . . {Basis weight}
- 2013/15414 . . . . {Bulk thickness}
- 2013/15422 . . . . {Density}
- 2013/1543 . . . . . {with a density gradient in the horizontal plane}
- 2013/15439 . . . . . {with a density gradient in the vertical plane}
- 2013/15447 . . . . {Fibre dimension, e.g. denier or tex}
- 2013/15455 . . . . . {Volume-to-fibre surface area ratio}
- 2013/15463 . . . . {Absorbency}
- 2013/15471 . . . . . {Total capacity}
- 2013/15479 . . . . . {Drip capacity}
- 2013/15487 . . . . {Capillary properties, e.g. wicking}
- 2013/15495 . . . . . {pore dimension}
- 2013/15504 . . . . . {with a porosity gradient in the vertical or horizontal plane}
- 2013/15512 . . . . . {with specific hydrophilicity}
- 2013/1552 . . . . . {with specific diffusion velocity}
- 2013/15528 . . . . . {with specific capillary or osmotic pressure}
- 2013/15536 . . . . . {with a capillarity gradient in the vertical or horizontal plane}
- 2013/15544 . . . . {Permeability}
- 2013/15552 . . . . . {Air permeability}
- 2013/1556 . . . . . {Water permeability}
- 2013/15569 . . . . {Adhesivity}
- 13/15577 . . {Apparatus or processes for manufacturing}
- 13/15585 . . . {of babies' napkins, e.g. diapers ([A61F 13/15617](#) - [A61F 13/15804](#) take precedence)}
- 13/15593 . . . . {having elastic ribbons fixed thereto; Devices for applying the ribbons}
- 13/15601 . . . . . {the ribbons being applied transversely to the direction of the movement of the webs the diapers are being made of}
- 13/15609 . . . . . {the ribbons being applied in an irregular path}
- 13/15617 . . . {Making absorbent pads from fibres or pulverulent material with or without treatment of the fibres}
- 13/15626 . . . . . {Making fibrous pads without outer layers}
- 13/15634 . . . . . {Making fibrous pads between sheets or webs}
- 13/15642 . . . . . {by depositing continuous layers or pads of fibrous material on single sheets or webs}
- 13/1565 . . . . . {by depositing continuous layers of fibrous material between webs, e.g. wrapping layers of fibrous material}
- 13/15658 . . . . . {Forming continuous, e.g. composite, fibrous webs, e.g. involving the application of pulverulent material on parts thereof}
- 13/15666 . . . {Wrapping formed fibrous webs or pads, e.g. the pads being formed by uniting pad pieces cut from fibrous webs}
- 13/15674 . . . . . {by wrapping webs or pads between webs moving in their longitudinal direction}
- 13/15682 . . . . . {by folding webs, moving in their longitudinal direction, around webs or pads}
- 13/15691 . . . . . {by inserting webs or pads in a tube or a netting, e.g. involving forming of the tube or netting}
- 13/15699 . . . {Forming webs by bringing together several webs, e.g. by laminating or folding several webs, with or without additional treatment of the webs}
- 13/15707 . . . {Mechanical treatment, e.g. notching, twisting, compressing, shaping}
- 2013/15715 . . . . {Shaping or making outer layers}
- 13/15723 . . . . {Partitioning batts; Cutting}
- 13/15731 . . . . {Treating webs, e.g. for giving them a fibre-like appearance, e.g. by embossing}
- 13/15739 . . . . {Sealing, e.g. involving cutting}
- 13/15747 . . . . {Folding; Pleating; Coiling; Stacking; Packaging}
- 13/15756 . . . {Applying tabs, strips, tapes, loops; Knotting the ends of pads}
- 13/15764 . . . {Transferring, feeding or handling devices; Drives}
- 13/15772 . . . {Control}
- 2013/1578 . . . . {via optical means associated to computer coordinator}
- 2013/15788 . . . . {of the presence of the article or components}
- 2013/15796 . . . . {of the alignment or position of article or components}
- 13/15804 . . . {Plant, e.g. involving several steps}
- 2013/15813 . . . . {with modular lines}
- 2013/15821 . . . {characterized by the apparatus for manufacturing}
- 2013/15829 . . . . {using pressure liquid jet}
- 2013/15837 . . . . {using solvent}
- 2013/15845 . . . . {using a specific cam for programming the apparatus}
- 2013/15853 . . . . {using a specific computer algorithm for programming the apparatus}
- 2013/15861 . . . . {for bonding}
- 2013/15869 . . . . . {with ultrasonic energy}
- 2013/15878 . . . . . {by thermal bonding}
- 2013/15886 . . . . . {by spot bonding}
- 2013/15894 . . . . . {by infrared radiation}
- 2013/15902 . . . . . {with specific parameters, e.g. temperature, pressure}
- 2013/1591 . . . . . {via adhesive}
- 2013/15918 . . . . {for die cutting}

- 2013/15926 . . . . {for vacuum forming}
- 2013/15934 . . . . {for making non-woven}
- 2013/15943 . . . . . {by air-laid technique}
- 2013/15951 . . . . . {by wet-laid technique}
- 2013/15959 . . . . . {by spunbond technique}
- 2013/15967 . . . . . {by meltblown technique}
- 2013/15975 . . . . . {by non-bonded and deformable technique}
- 2013/15983 . . . . . {by hydroentangled technique}
- 2013/15991 . . . . . {in making composite multi-layered product}
- 2013/16 . . {Sanitary towels; Means for supporting or fastening them}
- 13/20 . . Tampons, e.g. catamenial tampons; Accessories therefor
- 13/2002 . . . {characterised by the use}
- 13/2005 . . . . {specially adapted for the nose cavity}
- 13/2008 . . . . {specially adapted for the oral cavity}
- 13/2011 . . . . {specially adapted for anal cavity}
- 2013/2014 . . . . {for endoscopic procedures}
- 13/2017 . . . . {specially adapted for the ear cavity}
- 13/202 . . . . {Catamenial tampons ([A61F 13/2022-A61F 13/34](#) take precedence)}
- 13/2022 . . . {characterised by the shape}
- 13/2025 . . . . {adapted to change of shape once expelled of the applicator}
- 13/2028 . . . . {adapted to change of shape after absorption of liquid}
- 13/2031 . . . . {having depressions or elevations, e.g. dots, lines}
- 13/2034 . . . . {having grooves or ribs, having a main axis in the longitudinal direction}
- 13/2037 . . . . {having grooves or ribs, having a main axis in the radial direction}
- 13/204 . . . . {having an external member remaining outside the body cavity, e.g. for form fitting or leakage prevention ([withdrawal strings](#) [persee A61F 13/34](#))}
- 13/2042 . . . . {having a central tubular opening}
- 13/2045 . . . . {Cup-shaped type tampons ([non-absorbent catamenial cups A61F 5/4553](#))}
- 13/2048 . . . . {Ball-shaped tampons}
- 13/2051 . . . {characterised by the material or the structure of the inner absorbing core}
- 13/2054 . . . . {made by compressing a not-rolled web or pledged}
- 13/2057 . . . . {made of foam}
- 13/206 . . . . {Tampons made of rolled-up material}
- 13/2062 . . . . {Tampons made from folded lengths of material, e.g. of string}
- 13/2065 . . . . {Tampons folded from sheets of material ([A61F 13/206](#) takes precedence)}
- 13/2068 . . . . {Tampons made from several layers ([A61F 13/2065](#), [A61F 13/206](#) take precedence)}
- 13/2071 . . . {characterised by the material or the structure of the outer layer}
- 13/2074 . . . {impregnated with hydrophobic, hydrophilic, skin enhancers, medicinal etc. substances}
- 13/2077 . . . {having a visual effect, e.g. printed or embossed}
- 13/208 . . . . {having means for avoiding leakage, e.g. liquid impermeable withdrawal end ([A61F 13/204](#) takes precedence)}
- 13/2082 . . . . {Apparatus or processes of manufacturing}
- 13/2085 . . . . . {Catamenial tampons}
- 13/2088 . . . . . {shaping the tampon by compressing}
- 13/2091 . . . . . {providing grooves on the tampon}
- 13/2094 . . . . . {rolling a web material to form a tampon}
- 13/2097 . . . . . {method of manufacturing tampon applicators}
- 13/26 . . . Means for inserting tampons {, i.e. applicators}
- 13/263 . . . . {with reduced length before use, e.g. with folding rod}
- 13/266 . . . . {Insertion devices, e.g. rods or plungers, separate from the tampon}
- 13/28 . . . . with lubricating means
- 13/34 . . . Means for withdrawing tampons {, e.g. withdrawal strings}
- 13/36 . . Surgical swabs, e.g. for absorbency or packing body cavities during surgery ([A61F 13/38](#) takes precedence)
- 13/38 . . Swabs having a stick-type handle, {e.g. cotton tips ([ear cleaners other than cotton tips A61F 11/006](#); swabs containing a liquid, e.g. in a rupturable reservoir, [A61M 35/006](#))}
- 13/385 . . . {Apparatus or processes of manufacturing}
- 13/42 . . with wetness indicator or alarm
- 2013/421 . . . {the alarm being a temperature change}
- 2013/422 . . . {the alarm being a colour change}
- 2013/423 . . . {the alarm being a volume change or a movement of a component}
- 2013/424 . . . {having an electronic device}
- 2013/425 . . . {being also a toilet training aid}
- 2013/426 . . . {Moisture sensitive polymers}
- 2013/427 . . . {pH indicator}
- 2013/428 . . . {for articles with superabsorbent materials}
- 2013/429 . . . {Thermochromic materials, e.g. ink or dye}
- 13/44 . . with radio-opaque material or signalling means for residual material
- 13/45 . . characterised by the shape ([cup-shaped type tampons A61F 13/2045](#))
- 2013/4506 . . . {special configurations using catheter or tube}
- 2013/4512 . . . {folded in special shape during use ([A61F 13/534](#), [A61F 13/551](#), [A61F 13/56](#), [A61F 13/15747](#) take precedence)}
- 2013/4518 . . . . {formed from two separated panels}
- 2013/4525 . . . . . {by front and rear joined laterally at the crotch}
- 2013/4531 . . . . . {by lateral panels joined at the centreline, i.e. along the longitudinal axis}
- 2013/4537 . . . . {with aeration ducts}
- 2013/4543 . . . . {with a special transverse section ([A61F 13/534](#) takes precedence)}
- 2013/455 . . . . . {having a "W" shape}
- 2013/4556 . . . . . {having a "M" shape}
- 2013/4562 . . . . . {cup-shaped}
- 2013/4568 . . . . {three-dimensional; with split absorbent core}
- 2013/4575 . . . . . {connected by elastic means}
- 2013/4581 . . . . . {with absorbent core in separated pieces}
- 2013/4587 . . . . {with channels or deep spot depressions on the upper surface ([A61F 13/4704](#) and [A61F 13/49001](#) take precedence)}

2013/4593	. . . {allowing introduction of medical instruments without removing the absorbent article}	13/49012	. . . . . {the elastic means being elastic panels}
13/47	. . . Sanitary towels, incontinence pads or napkins (A61F 13/49 takes precedence)	13/49014	. . . . . {the elastic means is located at the side panels}
13/4702	. . . . {having a reinforcing member}	13/49015	. . . . . {the elastic means being elastic panels}
13/4704	. . . . {having preferential bending zones, e.g. fold lines or grooves}	13/49017	. . . . . {the elastic means being located at the crotch region}
2013/4706	. . . . {enlarged in the anal area}	13/49019	. . . . . {the elastic means being placed longitudinally, transversely or diagonally over the article}
2013/4708	. . . . {Panty-liner}	13/4902	. . . . . {characterised by the elastic material}
13/471	. . . . specially adapted for male use	2013/49022	. . . . . {being elastomeric sheet}
13/472	. . . . specially adapted for female use {(A61F 13/474, A61F 13/475, A61F 13/476 take precedence)}	2013/49023	. . . . . {being textured, e.g. corrugated}
13/47209	. . . . . {having only interlabial part, i.e. with no extralabial parts}	2013/49025	. . . . . {having multiple elastic strands}
13/47218	. . . . . {with a raised crotch region, e.g. hump}	2013/49026	. . . . . {with variable spacing}
13/47227	. . . . . {for interlabial use}	2013/49028	. . . . . {with different tensile stress}
13/47236	. . . . . {characterised by an unusual contour}	2013/4903	. . . . . {being a net}
13/47245	. . . . . {with asymmetry around the x or y axis}	2013/49031	. . . . . {being elastic in longitudinal direction}
13/47254	. . . . . {with a tanga shape}	2013/49033	. . . . . {being elastic in transversal direction}
13/47263	. . . . . {with activating means, e.g. elastic, heat or chemical activatable means}	2013/49034	. . . . . {being elastic in both the transversal and longitudinal direction}
13/47272	. . . . . {with a longitudinal raised end, e.g. cup-shaped gluteal groove (for edge leakage prevention A61F 13/494)}	2013/49036	. . . . . {having an inelastic zone by deactivating the elastic property}
2013/47281	. . . . . {with internal collecting device}	2013/49038	. . . . . {the elastic means is located all around the absorbent article's perimeter}
2013/4729	. . . . . {combining catamenial pad and tampon}	2013/49039	. . . . . {the elastic means is located around the target zone}
13/474	. . . . adjustable	2013/49041	. . . . . {having a specific location other than covered by groups A61F 13/49011 - A61F 13/49019}
13/475	. . . . characterised by edge leakage prevention means	2013/49042	. . . . . {with only stretchable part, i.e. part being not elastic but only extensible with not a full recovery of its original length}
13/4751	. . . . . {the means preventing fluid flow in a transversal direction}	2013/49044	. . . . . {being stretchable non-elastic panels, (A61F 13/4902 takes precedence)}
13/4752	. . . . . {the means being an upstanding barrier}	2013/49046	. . . . . {at the crotch}
13/4753	. . . . . {the barrier being not integral with the topsheet or backsheet}	2013/49047	. . . . . {at the ears}
13/4755	. . . . . {the means being a flat barrier on or inside the absorbent article, e.g. backsheet wrapped around the edges}	2013/49049	. . . . . {on the hips}
13/4756	. . . . . {the means consisting of grooves, e.g. channels, depressions or embossments, resulting in a heterogeneous surface level}	2013/4905	. . . . . {at the waist}
13/4757	. . . . . {the means being located outside the perimeter of the absorbent core (A61F 13/4752 takes precedence)}	2013/49052	. . . . . {having a specific direction of stretchability}
13/4758	. . . . . {the means preventing fluid flow in a longitudinal direction}	2013/49053	. . . . . {being stretchable in the longitudinal direction or machine direction, i.e. longitudinal}
13/476	. . . . characterised by encircling the crotch region of the undergarment	2013/49055	. . . . . {being stretchable in transversal direction or cross machine direction}
13/49	. . . Absorbent articles specially adapted to be worn around the waist, e.g. diapers	2013/49057	. . . . . {being stretchable in both longitudinal and transversal direction}
13/49001	. . . . {having preferential bending zones, e.g. fold lines or grooves}	13/49058	. . . . {characterised by the modular concept of constructing the diaper}
13/49003	. . . . {Reusable, washable fabric diapers}	13/4906	. . . . . {the diaper having an outer chassis forming the diaper and an independent absorbent structure attached to the chassis}
13/49004	. . . . {with fastening means}	13/49061	. . . . . {the diaper having one or two waist members forming the diaper waist region and an independent absorbent structure attached to the one or two waist members forming the crotch region}
13/49006	. . . . {the reusable article being in the form of pants or briefs, e.g. slip or panty for light incontinence}	2013/49063	. . . . . {the diaper having decoupled components}
13/49007	. . . . {Form-fitting, self-adjusting disposable diapers}	2013/49065	. . . . . {being joined by a transverse line}
13/49009	. . . . . {with elastic means}		
13/49011	. . . . . {the elastic means is located at the waist region}		

2013/49066	. . . . .	{being joined by an area of low stiffness}	2013/4948	. . . . .	{the edge leakage prevention means being elastic}
2013/49068	. . . . .	{characterized by the shape of the outline}	2013/49486	. . . . .	{the edge leakage prevention means being padded}
2013/49069	. . . . .	{being rectangular, i.e. parallelepiped}	2013/49493	. . . . .	{the edge leakage prevention means being or forming three-dimensional barrier with raised lateral side-or end-wall}
2013/49071	. . . . .	{being triangular}	13/495	. . . . .	with faecal cavity
2013/49073	. . . . .	{being trapezoidal}	2013/4951	. . . . .	{with internal barriers}
2013/49074	. . . . .	{hourglass; dog bone-shaped}	2013/4953	. . . . .	{with rear faecal part separate from front urinary part}
2013/49076	. . . . .	{as "I"-shaped}	2013/4955	. . . . .	{with separable, disposable upper body layer}
2013/49077	. . . . .	{as "T"-shaped}	2013/4956	. . . . .	{with vertical spacer or separator keeping other components out of contact}
2013/49079	. . . . .	{as backbone-shape}	2013/4958	. . . . .	{with a faecal management layer}
2013/4908	. . . . .	{concave}	13/496	. . . . .	in the form of pants or briefs
2013/49082	. . . . .	{being a complex shape not covered by the other groups <a href="#">A61F 2013/49068-A61F 2013/4908</a> }	13/4963	. . . . .	{characterized by the seam}
2013/49084	. . . . .	{conformable}	2013/4966	. . . . .	{with intentionally damp topsheet}
2013/49085	. . . . .	{with a multiplicity of rounded, i.e. spherical elements}	13/505	. . . . .	with separable parts, e.g. combination of disposable and reusable parts, ( <a href="#">A61F 13/20</a> , <a href="#">A61F 13/49003</a> ) take precedence; supporting or fastening means <a href="#">A61F 13/56</a> ; {belts or the like <a href="#">A61F 13/64</a> }
2013/49087	. . . . .	{having breakable lateral stitches or panels}	2013/5055	. . . . .	{Possibility of doubling or putting in new pieces}
2013/49088	. . . . .	{characterized by the leg opening}	13/51	. . . . .	characterised by the outer layers ({wicking or transfer layers <a href="#">A61F 13/537</a> })
2013/4909	. . . . .	{being asymmetric leg openings}	2013/51002	. . . . .	{with special fibres}
2013/49092	. . . . .	{comprising leg cuffs}	2013/51004	. . . . .	{characterized by the length of the fibres}
2013/49093	. . . . .	{having multiple barriers}	2013/51007	. . . . .	{characterized by the orientation of fibres}
2013/49095	. . . . .	{Being formed by lateral slets}	2013/51009	. . . . .	{characterized by the shape of the fibres}
2013/49096	. . . . .	{with braces}	2013/51011	. . . . .	{characterized by the count of the fibres, e.g. denier or tex}
2013/49098	. . . . .	{Other Details not otherwise provided of the absorbent articles specially adapted to be worn around the waist}	2013/51014	. . . . .	{characterized by the connection between the fibres}
13/491	. . . . .	specially adapted for gender distinct urine discharge pattern	2013/51016	. . . . .	{followed by a distension heat treatment}
13/4915	. . . . .	{specially adapted for male use}	2013/51019	. . . . .	{being cellulosic material}
13/493	. . . . .	adjustable {by adding or removing material, e.g. umbilical cord arrangements (adjustable by the fastening <a href="#">A61F 13/5638</a> , <a href="#">A61F 13/5655</a> )}	2013/51021	. . . . .	{being chemically modified}
13/494	. . . . .	characterised by edge leakage prevention means	2013/51023	. . . . .	{being polymeric fibres}
13/49406	. . . . .	{the edge leakage prevention means being at the crotch region}	2013/51026	. . . . .	{being in thermoplastic material}
13/49413	. . . . .	{the edge leakage prevention means being an upstanding barrier}	2013/51028	. . . . .	{being bicomponent}
13/4942	. . . . .	{the barrier not being integral with the top- or back-sheet}	2013/5103	. . . . .	{being hydrophobic}
13/49426	. . . . .	{the barrier having an absorbent medium}	2013/51033	. . . . .	{being hydrophilic}
2013/49433	. . . . .	{the barrier having variable heights}	2013/51035	. . . . .	{being biodegradable, e.g. Rayon, polylactate, dioxanone}
2013/4944	. . . . .	{having multiple barriers}	2013/51038	. . . . .	{being a mixture of fibres}
13/49446	. . . . .	{the edge leakage prevention means being an impermeable sheet or impermeable part of a sheet placed on or under the top sheet ( <a href="#">A61F 13/49413</a> takes precedence)}	2013/5104	. . . . .	{with pulp and polymeric fibres}
13/49453	. . . . .	{the edge leakage prevention sheet being combined with the impermeable backing sheet, e.g. integral with the backing sheet}	2013/51042	. . . . .	{with hydrophobic and hydrophilic fibres}
13/4946	. . . . .	{the edge leakage prevention means being an absorbent medium ( <a href="#">A61F 13/49426</a> takes precedence)}	2013/51045	. . . . .	{with thermoplastic binder}
13/49466	. . . . .	{the edge leakage prevention means being at the waist region}	2013/51047	. . . . .	{with antibacterial agents}
13/49473	. . . . .	{the edge leakage prevention means having a continuous closed form, e.g. circle, ellipse, rectangle}	2013/5105	. . . . .	{with mineral or inert material}
			2013/51052	. . . . .	{having different diameters}
			2013/51054	. . . . .	{having different densities}
			2013/51057	. . . . .	{having different ratio of fibres}
			2013/51059	. . . . .	{being sprayed with chemicals}
			2013/51061	. . . . .	{for rendering the surface hydrophobic}
			2013/51064	. . . . .	{in the legs area}
			2013/51066	. . . . .	{for rendering the surface hydrophilic}
			2013/51069	. . . . .	{by hydrophilisation with plasma or corona discharge}
			2013/51071	. . . . .	{with anti-static agents}
			2013/51073	. . . . .	{with lubricants}

2013/51076	. . . . .	{with perfumes or odour-masking agents}	2013/5127	. . . . .	{characterized by the dimension of apertures}
2013/51078	. . . . .	{being embossed}	2013/5128	. . . . .	{characterized by open targets or acquisitions or vulnerability zones}
2013/5108	. . . . .	{in grids}	13/513	. . . . .	{characterised by its function or properties, e.g. stretchability, breathability, rewet, visual effect;} having areas of different permeability
2013/51083	. . . . .	{in point}	13/51305	. . . . .	{having areas of different permeability}
2013/51085	. . . . .	{in diamonds}	13/51311	. . . . .	{the permeability gradient being in the vertical direction}
2013/51088	. . . . .	{in very fine microtexture}	2013/51316	. . . . .	{with low friction coefficient}
2013/5109	. . . . .	{with odour control}	2013/51322	. . . . .	{being elastomeric or stretchable}
2013/51092	. . . . .	{characterized by the dimensions}	2013/51327	. . . . .	{in only one specific direction}
2013/51095	. . . . .	{being metallic}	2013/51333	. . . . .	{in only specific parts or sections of the top layer}
2013/51097	. . . . .	{with high friction coefficient for fixation of the bandage}	2013/51338	. . . . .	{having improved touch or feeling, e.g. smooth film}
13/511	. . . . .	Topsheet, i.e. the permeable cover or layer facing the skin	2013/51344	. . . . .	{with pile webs or velvet-like tissues}
13/51104	. . . . .	{the top sheet having a three-dimensional cross-section, e.g. corrugations, embossments, recesses or projections}	2013/5135	. . . . .	{with flame retardant agents or fire extinguishing agents}
13/51108	. . . . .	{the top sheet having corrugations or embossments having one axis relatively longer than the other axis, e.g. forming channels or grooves in a longitudinal direction}	2013/51355	. . . . .	{for improving fluid flow}
13/51113	. . . . .	{comprising an additive, e.g. lotion or odour control ( <a href="#">A61F 13/51108</a> takes precedence)}	2013/51361	. . . . .	{with pleats or folds}
2013/51117	. . . . .	{the lotion having skin care properties}	2013/51366	. . . . .	{with hydrophilic lower face}
13/51121	. . . . .	{characterised by the material}	2013/51372	. . . . .	{with valve or valve-like upper layer; Tapered capillary structures}
2013/51126	. . . . .	{being nets}	2013/51377	. . . . .	{having decoration properties}
2013/5113	. . . . .	{being foams}	2013/51383	. . . . .	{being adapted for female properties}
2013/51134	. . . . .	{the foam being compressed and expandable, e.g. a cellulosic sponge}	2013/51388	. . . . .	{being adapted to male properties}
2013/51139	. . . . .	{being woven or knitted fabrics}	13/51394	. . . . .	{creating a visual effect, e.g. having a printed or coloured topsheet, printed or coloured sub-layer but being visible from the topsheet, other than embossing for purposes of bonding, wicking, acquisition, leakage-prevention}
2013/51143	. . . . .	{being papers}	13/514	. . . . .	Backsheet, i.e. the impermeable cover or layer furthest from the skin ( <a href="#">A61F 13/15211</a> , <a href="#">A61F 13/15252</a> take precedence)}
2013/51147	. . . . .	{being polymeric films}	13/51401	. . . . .	{characterised by the material}
2013/51152	. . . . .	{having specific distance between the fibres}	13/51403	. . . . .	{with activating means, e.g. for closing apertures upon contact with water}
2013/51156	. . . . .	{having integrally attached}	13/51405	. . . . .	{treated or coated, e.g. with moisture repellent agent}
13/5116	. . . . .	{being formed of multiple layers ( <a href="#">A61F 13/5123</a> takes precedence)}	2013/51407	. . . . .	{being flexible}
2013/51165	. . . . .	{with the combination of films and nonwovens}	2013/51409	. . . . .	{being a film}
2013/51169	. . . . .	{the nonwoven being hydroentangled or needlingentangled to the film}	2013/51411	. . . . .	{being impervious to fluids but not for air or vapours}
2013/51173	. . . . .	{with the combination of polymeric films}	2013/51413	. . . . .	{with macroscopic openings}
2013/51178	. . . . .	{with the combination of nonwoven webs}	2013/51415	. . . . .	{with pores}
2013/51182	. . . . .	{with non-continuous bonding}	2013/51417	. . . . .	{with thin films}
2013/51186	. . . . .	{specially shaped topsheets}	2013/51419	. . . . .	{with stretched areas}
2013/51191	. . . . .	{Self-sealing top layers}	2013/51421	. . . . .	{only in special places}
2013/51195	. . . . .	{not contacting the absorber}	2013/51423	. . . . .	{the vapour permeability being less than 500g/m <sup>2</sup> h}
13/512	. . . . .	characterised by its apertures, e.g. perforations	2013/51425	. . . . .	{being impervious, i.e. occlusive}
13/5121	. . . . .	{characterised by the vertical shape of the apertures, e.g. three dimensional apertures, e.g. macro-apertures}	2013/51427	. . . . .	{having valves}
13/5122	. . . . .	{and comprising secondary apertures, e.g. macro-apertures in combination with microapertures}	2013/51429	. . . . .	{being elastomeric or stretchable sheet}
13/5123	. . . . .	{the apertures being formed on a multilayer top sheet}	2013/51431	. . . . .	{in the composition of the elastomer}
13/5125	. . . . .	{the apertures not being formed through the complete thickness of the topsheet, e.g. blind holes ( <a href="#">blind holes in a single layered topsheet A61F 13/51104</a> )}	2013/51433	. . . . .	{being biodegradable}
13/5126	. . . . .	{characterised by the planar distribution of the apertures, e.g. in a predefined pattern}	2013/51435	. . . . .	{having flame retardant agent or fire extinguishing agent}
			2013/51437	. . . . .	{being integral with absorbent core}
			2013/51439	. . . . .	{being foams}

2013/51441 . . . . .	{being a fibrous material}	2013/530087 . . . . .	{with debonding agents}
2013/51443 . . . . .	{being impervious to fluids and being air permeable}	2013/530094 . . . . .	{with mechanical pulp}
2013/51445 . . . . .	{comprising microfibrils, e.g. Gore-Tex}	2013/530102 . . . . .	{with thermomechanical pulp}
2013/51447 . . . . .	{being air permeable}	2013/530109 . . . . .	{with chemithermomechanical pulp}
2013/51449 . . . . .	{being knitted or woven fabrics}	2013/530116 . . . . .	{with recycled material, e.g. paper}
2013/5145 . . . . .	{being treated materials}	2013/530124 . . . . .	{with compressed and delaminated material}
2013/51452 . . . . .	{being nonwovens}	2013/530131 . . . . .	{being made in fibre but being not pulp}
2013/51454 . . . . .	{being papers}	2013/530138 . . . . .	{characterized by the fibre length}
13/51456 . . . . .	{characterised by its properties}	2013/530145 . . . . .	{being short}
13/51458 . . . . .	{being air-pervious or breathable}	2013/530153 . . . . .	{being long}
13/5146 . . . . .	{having apertures of perforations}	2013/53016 . . . . .	{having special shape}
13/51462 . . . . .	{being defined by a value or parameter}	2013/530167 . . . . .	{being crimped}
13/51464 . . . . .	{being stretchable or elastomeric}	2013/530175 . . . . .	{with capillary channel}
13/51466 . . . . .	{providing stretchability without the use of elastic material}	2013/530182 . . . . .	{characterized by the connection between the fibres}
2013/51468 . . . . .	{being removable}	2013/530189 . . . . .	{with thermoplastic adhesive}
2013/5147 . . . . .	{the outer layer being adhesive itself}	2013/530197 . . . . .	{with water-soluble binder}
2013/51472 . . . . .	{for reducing noise}	2013/530204 . . . . .	{being alcohol-based binder}
13/51474 . . . . .	{characterised by its structure}	2013/530211 . . . . .	{with water-insoluble binder}
13/51476 . . . . .	{being three-dimensional, e.g. embossed, textured, pleated, or with three-dimensional features, like gathers or loops}	2013/530218 . . . . .	{followed by heat treatment}
13/51478 . . . . .	{being a laminate, e.g. multi-layered or with several layers}	2013/530226 . . . . .	{with polymeric fibres}
13/5148 . . . . .	{having an impervious inner layer and a cloth-like outer layer}	2013/530233 . . . . .	{being thermoplastic fibres}
2013/51482 . . . . .	{being laminated on paper}	2013/53024 . . . . .	{being bicomponent fibres}
13/51484 . . . . .	{being inhomogeneous in the plane of the sheet, i.e. having zones of different properties or structures}	2013/530248 . . . . .	{being thermosetting fibres}
2013/51486 . . . . .	{with specially shaped backsheets}	2013/530255 . . . . .	{being hydrophobic fibres}
2013/51488 . . . . .	{for napkins}	2013/530262 . . . . .	{only in particular parts or specially arranged}
2013/5149 . . . . .	{being embossed}	2013/53027 . . . . .	{the maximum being at the crotch}
2013/51492 . . . . .	{having specially shaped gas or air bubbles or bag-like structure}	2013/530277 . . . . .	{the maximum being at front or rear}
2013/51494 . . . . .	{having underlayer extending around the longitudinal edges of the absorbent core}	2013/530284 . . . . .	{the maximum being at a certain depth in the thickness}
13/51496 . . . . .	{having visual effects}	2013/530291 . . . . .	{the maximum being along the sides}
13/51498 . . . . .	{Details not otherwise provided for}	2013/530299 . . . . .	{being hydrophilic fibres}
13/515 . . . . .	characterised by the interconnection of the topsheet and the backsheet	2013/530306 . . . . .	{coated with superabsorbent polymer}
13/52 . . . . .	{Layers coated or treated to decrease absorbency}	2013/530313 . . . . .	{being biodegradable}
13/53 . . . . .	characterised by the absorbing medium (A61F 13/20 takes precedence)	2013/530321 . . . . .	{in biopolymer, e.g. PHA}
2013/530007 . . . . .	{being made from pulp}	2013/530328 . . . . .	{being mineral fibres, e.g. glass}
2013/530014 . . . . .	{being made in hard wood pulp}	2013/530335 . . . . .	{being in peat moss}
2013/530021 . . . . .	{being made in soft wood pulp}	2013/530343 . . . . .	{being natural fibres}
2013/530029 . . . . .	{being made from cotton}	2013/53035 . . . . .	{of cotton}
2013/530036 . . . . .	{being made in chemically-modified cellulosic material, e.g. Rayon}	2013/530357 . . . . .	{of wool}
2013/530043 . . . . .	{being made in oxidized cellulose}	2013/530364 . . . . .	{of bamboo}
2013/530051 . . . . .	{being made in cross-linked cellulosic fibres}	2013/530372 . . . . .	{of ramie or jute or linen}
2013/530058 . . . . .	{with specific method of producing wood pulp fibres}	2013/530379 . . . . .	{comprising mixtures of fibres}
2013/530065 . . . . .	{with chemical pulp}	2013/530386 . . . . .	{with pulp and polymeric}
2013/530072 . . . . .	{with sulphate pulp, e.g. Kraft}	2013/530394 . . . . .	{in coform}
2013/53008 . . . . .	{being unbleached}	2013/530401 . . . . .	{with hydrophobic and hydrophilic fibres}
		2013/530408 . . . . .	{with thermoplastic binder}
		2013/530416 . . . . .	{having different count, e.g. denier or tex}
		2013/530423 . . . . .	{having different densities}
		2013/53043 . . . . .	{with different ratio of components}
		2013/530437 . . . . .	{having a part with elevated absorption means}
		2013/530445 . . . . .	{by defining a target or acquisition or vulnerability zone}
		2013/530452 . . . . .	{having chemically-stiffened fibres}
		2013/530459 . . . . .	{being curled}
		2013/530467 . . . . .	{being twisted}
		2013/530474 . . . . .	{being cross-linked}
		2013/530481 . . . . .	{having superabsorbent materials, i.e. highly absorbent polymer gel materials}

- 2013/530489 . . . . {being randomly mixed in with other material}
- 2013/530496 . . . . {being fixed to fibres}
- 2013/530503 . . . . {comprising poly-aluminium-chloride}
- 2013/53051 . . . . {being only in particular parts or specially arranged}
- 2013/530518 . . . . {the maximum being at the crotch}
- 2013/530525 . . . . {the maximum being at front or rear}
- 2013/530532 . . . . {the maximum being at certain depth in the thickness}
- 2013/53054 . . . . {the maximum being along the side edges}
- 2013/530547 . . . . {positioned in a separate layer or layers}
- 2013/530554 . . . . {and being fixed to a web}
- 2013/530562 . . . . {being arranged in discontinuous pattern}
- 2013/530569 . . . . {characterized by the particle size}
- 2013/530576 . . . . {having different size in different parts}
- 2013/530583 . . . . {characterized by the form}
- 2013/530591 . . . . {in granules or particles}
- 2013/530598 . . . . {in aggregates}
- 2013/530605 . . . . {in sheet}
- 2013/530613 . . . . {in fibres}
- 2013/53062 . . . . {being made into a paper or non-woven}
- 2013/530627 . . . . {in flakes}
- 2013/530635 . . . . {in thin film}
- 2013/530642 . . . . {being cross-linked or polymerised in situ}
- 2013/530649 . . . . {in sponge or foam}
- 2013/530656 . . . . {being cut into pieces}
- 2013/530664 . . . . {being a knitted or woven fabric}
- 2013/530671 . . . . {being mixed with mineral or inert material, e.g. "introying particles"}
- 2013/530678 . . . . {with citric acid}
- 2013/530686 . . . . {with metallic soluble salts, e.g. Na, K, Mg chloride}
- 2013/530693 . . . . {with polymeric material}
- 2013/5307 . . . . {characterized by the quantity or ratio of superabsorbent material}
- 2013/530708 . . . . {characterized by the absorbency properties}
- 2013/530715 . . . . {by the acquisition rate}
- 2013/530722 . . . . {by the delayed absorbency}
- 2013/530729 . . . . {by the swelling rate}
- 2013/530737 . . . . {by the absorbent capacity}
- 2013/530744 . . . . {by the absorbency under load}
- 2013/530751 . . . . {by the centrifugal load}
- 2013/530759 . . . . {by the osmotic feature}
- 2013/530766 . . . . {by the cross-link factor}
- 2013/530773 . . . . {by the inverse temperature transition}
- 2013/530781 . . . . {by the ionic surfactant, e.g. salt resistant}
- 2013/530788 . . . . {characterized by the gel layer permeability}
- 2013/530795 . . . . {being biodegradable}
- 2013/530802 . . . . {characterized by the foam or sponge other than superabsorbent ([A61F 2013/530649](#) takes precedence)}
- 2013/53081 . . . . {with special pore dimension or arrangement}
- 2013/530817 . . . . {being open cells}
- 2013/530824 . . . . {the cells being opened by mechanical or physical treatment}
- 2013/530832 . . . . {being closed cells}
- 2013/530839 . . . . {being hydrophilic}
- 2013/530846 . . . . {being hydrophobic}
- 2013/530854 . . . . {being collapsed or collapsible foam}
- 2013/530861 . . . . {having slit regions}
- 2013/530868 . . . . {characterized by the liquid distribution or transport means other than wicking layer ([A61F 13/537](#) takes precedence)}
- 2013/530875 . . . . {having holes}
- 2013/530883 . . . . {having folds}
- 2013/53089 . . . . {having impervious part}
- 2013/530897 . . . . {having capillary means, e.g. pore or fibre size gradient}
- 2013/530905 . . . . {being hydrophilic}
- 2013/530912 . . . . {being hydrophobic}
- 2013/530919 . . . . {being hydronutral}
- 2013/530927 . . . . {having longitudinal barriers}
- 2013/530934 . . . . {having a density gradient}
- 2013/530941 . . . . {through the thickness}
- 2013/530948 . . . . {along the length}
- 2013/530956 . . . . {being only in particular parts or specially arranged}
- 2013/530963 . . . . {being maximum at the crotch}
- 2013/53097 . . . . {being at front or rear region}
- 2013/530978 . . . . {being at a particular depth in the thickness}
- 2013/530985 . . . . {being along the side edges}
- 2013/530992 . . . . {in the form of string or ball instead of sheets}
- 13/531 . . . . having a homogeneous composition through the thickness of the pad ([A61F 13/538](#), [A61F 13/539](#) take precedence)
- 2013/5312 . . . . {with structure resisting compression}
- 2013/5315 . . . . {with a tissue-wrapped core}
- 2013/5317 . . . . {with integral impervious bottom surface}
- 13/532 . . . . inhomogeneous in the plane of the pad
- 13/5323 . . . . {having absorbent material located in discrete regions, e.g. pockets}
- 2013/5326 . . . . {being a flanged fibrous pad}
- 13/533 . . . . having discontinuous areas of compression
- 13/534 . . . . having an inhomogeneous composition through the thickness of the pad ([A61F 13/538](#), [A61F 13/539](#) take precedence; homogeneous cores with tissue wrapping [A61F 13/53](#))
- 13/53409 . . . . {having a folded core}
- 13/53418 . . . . {having a C-folded cross-section}
- 13/53427 . . . . {having an e-folded cross-section}
- 13/53436 . . . . {having an undulated or corrugated cross-section}
- 2013/53445 . . . . {from several sheets}
- 2013/53454 . . . . {with mirror-like structure}
- 2013/53463 . . . . {with a reinforcing structure, e.g. net}
- 2013/53472 . . . . {being a non-woven tissue wrapping the core}
- 2013/53481 . . . . {being biodegradable}
- 2013/5349 . . . . {being a tissue-wrapped core}
- 13/535 . . . . inhomogeneous in the plane of the pad, e.g. core absorbent layers being of different sizes ([A61F 13/5323](#), [A61F 13/537](#) take precedence)}
- 2013/5355 . . . . {with terraced core}
- 13/536 . . . . having discontinuous areas of compression

- 13/537 . . . . characterised by a layer facilitating or inhibiting flow in one direction or plane, e.g. a wicking layer {(A61F 13/538 takes precedence)}
- 13/53704 . . . . {the layer having an inhibiting function on liquid propagation}
- 13/53708 . . . . {the layer having a promotional function on liquid propagation in at least one direction}
- 13/53713 . . . . . {the layer having a promotional function on liquid propagation in the vertical direction}
- 13/53717 . . . . . {the layer having a promotional function on liquid propagation in the horizontal direction}
- 2013/53721 . . . . . {with capillary means}
- 2013/53726 . . . . . {on the top layer}
- 2013/5373 . . . . . {on the bottom layer}
- 2013/53734 . . . . . {with compressed lines}
- 2013/53739 . . . . . {with compressed points}
- 13/53743 . . . . . {characterised by the position of the layer relative to the other layers}
- 13/53747 . . . . . {the layer is facing the topsheet (layer is part of the topsheet A61F 13/511)}
- 13/53752 . . . . . {the layer is embedded in the absorbent core}
- 13/53756 . . . . . {the layer facing the back-sheet}
- 13/5376 . . . . . {characterised by the performance of the layer, e.g. acquisition rate, distribution time, transfer time}
- 2013/53765 . . . . . {characterized by its geometry}
- 2013/53769 . . . . . {with the wicking layer not contacting the absorbent core}
- 2013/53773 . . . . . {with a deformable spacing structure}
- 2013/53778 . . . . . {with grooves}
- 2013/53782 . . . . . {with holes}
- 2013/53786 . . . . . {with folds}
- 2013/53791 . . . . . {being resilient or elastic}
- 2013/53795 . . . . . {being a surge management layer}
- 13/538 . . . . characterised by specific fibre orientation or weave
- 2013/5383 . . . . {by the fibre orientation in the x-y plane}
- 2013/5386 . . . . {by the fibre orientation in the z plane or vertical direction}
- 13/539 . . . . characterised by the connection of the absorbent layers with each other or with the outer layers
- 2013/53908 . . . . {with adhesive}
- 2013/53916 . . . . {with epicyclical pattern}
- 2013/53925 . . . . {with intermittent pattern, e.g. spots}
- 2013/53933 . . . . {with water-soluble binder}
- 2013/53941 . . . . . {being alcohol-based binder}
- 2013/5395 . . . . {with thermoplastic agent, i.e. softened by heat}
- 2013/53958 . . . . . {with separate adhesive layer}
- 2013/53966 . . . . {by needling, sewing, blow-needling}
- 2013/53975 . . . . {by Hydraulic entanglement}
- 2013/53983 . . . . {with hook and loop-type fastener or the like}
- 2013/53991 . . . . {by ultrasonic method}
- 13/551 . . . . Packaging before or after use {(general packaging of absorbent pads B65D 85/00)}
- 13/55105 . . . . {packaging of diapers}
- 13/5511 . . . . {characterized by the container (A61F 15/00 takes precedence)}
- 13/55115 . . . . {characterized by the features before use, e.g. how are the diapers folded or arranged in a package}
- 13/5512 . . . . {after use}
- 2013/55125 . . . . . {the disposal system being a bag or a pocket integral with or attached to the diaper}
- 13/5513 . . . . {packaging of feminine sanitary napkins}
- 13/55135 . . . . . {before use}
- 13/5514 . . . . . {each item packaged single}
- 13/55145 . . . . . {multiple packaged items}
- 13/5515 . . . . . {after use}
- 2013/55155 . . . . . {the disposal system being a bag or pocket integral with or attached to the sanitary napkin}
- 13/5516 . . . . {packaging of interlabial absorbing articles}
- 13/55165 . . . . . {before use}
- 13/5517 . . . . . {after use}
- 13/55175 . . . . {packaging of tampons}
- 13/5518 . . . . . {after use}
- 13/55185 . . . . . {in combination with the applicator}
- 13/5519 . . . . {packages containing more than one kind of item, e.g. tampon and napkin, or diaper and an exchangeable insert}
- 2013/55195 . . . . {Packaging for dispensing and disposing}
- 13/56 . . . . Supporting or fastening means
- 13/5605 . . . . {specially adapted for sanitary napkins or the like}
- 13/5611 . . . . {using fastening strips, e.g. adhesive, on the undergarment-facing side}
- 13/5616 . . . . {using flaps, e.g. adhesive, for attachment to the undergarment (leakage prevention means encircling the crotch portion A61F 13/476)}
- 13/5622 . . . . {specially adapted for diapers or the like}
- 2013/5627 . . . . . {comprising a zip fastener}
- 13/5633 . . . . . {open type diaper}
- 13/5638 . . . . . {adjustable open type diapers (adjustable otherwise than by the fasteners A61F 13/493)}
- 13/5644 . . . . . {having more than one pair of fasteners}
- 13/565 . . . . . {pants type diaper}
- 13/5655 . . . . . {adjustable pants type diapers (adjustable otherwise than by the fasteners A61F 13/493)}
- 2013/5661 . . . . {in special holders for beds, chairs or seats}
- 2013/5666 . . . . {connected to itself (A61F 13/58 and A61F 13/62 take precedence)}
- 2013/5672 . . . . . {with buttons or the like (A61F 13/78 takes precedence)}
- 2013/5677 . . . . . {refastenable}
- 2013/5683 . . . . {Disposition or arrangement}
- 2013/5688 . . . . . {inclined at an oblique angle to the longitudinal axis}
- 2013/5694 . . . . {Other non adhesive means than hook and loop-type fastener or belts (A61F 13/62, A61F 13/64 and A61F 13/66 take precedence)}
- 13/58 . . . . Adhesive tab fastener elements ((A61F 13/5611, A61F 13/5616), A61F 13/66 take precedence)

- 13/581 . . . . {Tab fastener elements combining adhesive and mechanical fastening ([fabric strip fastener elements A61F 13/62](#))}
- 2013/582 . . . . {with one strip on one place}
- 2013/583 . . . . {with strips on several places}
- 2013/585 . . . . {being spot like}
- 2013/586 . . . . {on lateral flaps}
- 2013/587 . . . . {on rear or front tabs}
- 2013/588 . . . . {on waist panels}
- 13/60 . . . . with release means associated with tab fasteners
- 13/62 . . . {Mechanical fastening means, ([A61F 13/5611](#), [A61F 13/5616](#), [A61F 13/581](#), [A61F 13/66](#) take precedence); Fabric strip fastener elements, e.g. hook and loop}
- 13/622 . . . . {Fabric strip fastener elements, e.g. hook and loop}
- 13/625 . . . . {characterised by the hook}
- 13/627 . . . . {characterised by the loop}
- 13/64 . . . Straps, belts, ties or endless bands ([A61F 13/5605](#), [A61F 13/5622](#), [A61F 13/66](#) take precedence)
- 13/66 . . . Garments, holders or supports not integral with absorbent pads
- 13/665 . . . . {Means specific for supporting or fastening sanitary towels; and sanitary towels}
- 13/68 . . . . abdominal enclosing type
- 13/70 . . . . with openable or removable crotch portion
- 13/72 . . . . with endless waist encircling band, e.g. panty type
- 13/74 . . . . having means to retain absorbent pads
- 13/76 . . . . transverse to width of the pads or fastener elements, e.g. straps, end flaps or tucks
- 13/78 . . . . . Button or snap fastener elements
- 13/80 . . . . adjustable relative to body crotch area
- 13/82 . . . . with means for attaching to the body
- 13/84 . . Accessories, not otherwise provided for, for absorbent pads
- 2013/8402 . . . {including disposal means ([A61F 13/5512](#), [A61F 13/5515](#), [A61F 13/5517](#), [A61F 13/5518](#) take precedence)}
- 13/8405 . . . {Additives, e.g. for odour, disinfectant or pH control}
- 2013/8408 . . . . {with odour control}
- 2013/8411 . . . . {in controlling solution Ph}
- 2013/8414 . . . . {with anti-microbic}
- 2013/8417 . . . . . {being anti-mycosis}
- 2013/842 . . . . . {with active charcoal}
- 2013/8423 . . . . . {with molecular sieves; zeolites}
- 2013/8426 . . . . . {with metallic salts}
- 2013/8429 . . . . . {with ion exchange resins}
- 2013/8432 . . . . . {with glycerine polyol}
- 2013/8435 . . . . . {with plant derivatives}
- 2013/8438 . . . . {being enzymes, e.g. proteolysis, cellulase}
- 2013/8441 . . . . {being cultures}
- 2013/8444 . . . . . {being microbial, e.g. bulgaricus}
- 2013/8447 . . . . {in using different incompatible substances}
- 2013/845 . . . . . {being powder embodied in a polymeric matrix}
- 2013/8452 . . . . . {being contained in microcapsules}
- 2013/8455 . . . . {being lubricants}
- 2013/8458 . . . . . {having bees-wax}
- 2013/8461 . . . . . {having petroleum derivative}
- 2013/8464 . . . . . {having plant derivative}
- 2013/8467 . . . . {being antistatic agents}
- 2013/847 . . . . {being infrared absorbing agent}
- 2013/8473 . . . {for diagnostic purposes}
- 2013/8476 . . . {with various devices or method}
- 2013/8479 . . . . {including electric or magnetic devices}
- 2013/8482 . . . . . {including numeric control, e.g. using computer}
- 2013/8485 . . . . {including optical filtering devices}
- 2013/8488 . . . {including testing apparatus}
- 2013/8491 . . . . {including test methods}
- 2013/8494 . . . {including pumping devices}
- 2013/8497 . . . {having decorations or indicia means}
- 15/00 Auxiliary appliances for wound dressings; Dispensing containers for dressings or bandages** **{(packaging of absorbent articles such as diapers, feminine hygiene absorbing pads or tampons [A61F 13/551](#); packaging of wound dressings [A61F 13/00072](#))}**
- 15/001 . {Packages or dispensers for bandages, cotton balls, drapes, dressings, gauze, gowns, sheets, sponges, swabsticks or towels ([A61F 15/007](#) takes precedence)}
- 15/002 . . {dispensers for web or tape like bandages}
- 15/003 . . {dispensers for catamenial tampons}
- 15/004 . {Bandage protectors}
- 15/005 . {Bandage applicators}
- 15/006 . {Bandage fasteners}
- 15/007 . {Bandage winders}
- 15/008 . {Appliances for wound protecting, e.g. avoiding contact between wound and bandage ([corn plasters A61F 13/063](#))}
- 15/02 . Devices for cutting bandages of any kind, e.g. shears, cast-cutting saws
- 17/00 First-aid kits**
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- 2210/00 Particular material properties of prostheses classified in groups [A61F 2/00](#) - [A61F 2/26](#) or [A61F 2/82](#) or [A61F 9/00](#) or [A61F 11/00](#) or subgroups thereof**
- 2210/0004 . bioabsorbable
- 2210/0009 . using materials or accessories for preventing galvanic or electrolytic corrosion
- 2210/0014 . using shape memory or superelastic materials, e.g. nitinol
- 2210/0019 . . operated at only one temperature whilst inside or touching the human body, e.g. constrained in a non-operative shape during surgery, another temperature only occurring before the operation
- 2210/0023 . . operated at different temperatures whilst inside or touching the human body, heated or cooled by external energy source or cold supply
- 2210/0028 . . . cooled
- 2210/0033 . . . electrically, e.g. heated by resistor
- 2210/0038 . . . . electromagnetically
- 2210/0042 . . . using a fluid, e.g. circulating
- 2210/0047 . . . heated by light
- 2210/0052 . . . ultrasonically
- 2210/0057 . stretchable
- 2210/0061 . swellable
- 2210/0066 . shrinkable

## A61F

- 2210/0071 . thermoplastic
- 2210/0076 . multilayered, e.g. laminated structures
- 2210/008 . Phase change materials [PCM], e.g. for storing latent heat
- 2210/0085 . hardenable *in situ*, e.g. epoxy resins
- 2210/009 . magnetic
- 2210/0095 . radioactive

### **Filters; Devices providing patency to tubular structures;**

#### **Prostheses; Accessories**

#### **2220/00 Fixations or connections for prostheses classified in groups [A61F 2/00](#) - [A61F 2/26](#) or [A61F 2/82](#) or [A61F 9/00](#) or [A61F 11/00](#) or subgroups thereof**

- 2220/0008 . Fixation appliances for connecting prostheses to the body
- 2220/0016 . . with sharp anchoring protrusions, e.g. barbs, pins, spikes
- 2220/0025 . Connections or couplings between prosthetic parts, e.g. between modular parts; Connecting elements
- 2220/0033 . . made by longitudinally pushing a protrusion into a complementary-shaped recess, e.g. held by friction fit
- 2220/0041 . . using additional screws, bolts, dowels or rivets, e.g. connecting screws
- 2220/005 . . using adhesives
- 2220/0058 . . soldered or brazed or welded
- 2220/0066 . . stapled
- 2220/0075 . . sutured, ligatured or stitched, retained or tied with a rope, string, thread, wire or cable
- 2220/0083 . . using hook and loop-type fasteners
- 2220/0091 . . connected by a hinged linkage mechanism, e.g. of the single-bar or multi-bar linkage type

#### **2230/00 Geometry of prostheses classified in groups [A61F 2/00](#) - [A61F 2/26](#) or [A61F 2/82](#) or [A61F 9/00](#) or [A61F 11/00](#) or subgroups thereof**

- 2230/0002 . Two-dimensional shapes, e.g. cross-sections
- 2230/0004 . . Rounded shapes, e.g. with rounded corners
- 2230/0006 . . . circular
- 2230/0008 . . . elliptical or oval
- 2230/001 . . . Figure-8-shaped, e.g. hourglass-shaped
- 2230/0013 . . . Horseshoe-shaped, e.g. crescent-shaped, C-shaped, U-shaped
- 2230/0015 . . . Kidney-shaped, e.g. bean-shaped
- 2230/0017 . . Angular shapes
- 2230/0019 . . . rectangular
- 2230/0021 . . . square
- 2230/0023 . . . triangular
- 2230/0026 . . . trapezoidal
- 2230/0028 . . Shapes in the form of latin or greek characters
- 2230/003 . . . Alpha-shaped
- 2230/0032 . . . B-shaped
- 2230/0034 . . . D-shaped
- 2230/0036 . . . E-shaped, e.g. epsilon-shaped
- 2230/0039 . . . H-shaped
- 2230/0041 . . . J-shaped
- 2230/0043 . . . L-shaped
- 2230/0045 . . . Omega-shaped
- 2230/0047 . . . Pi-shaped
- 2230/005 . . . Rosette-shaped, e.g. star-shaped
- 2230/0052 . . . T-shaped
- 2230/0054 . . . V-shaped
- 2230/0056 . . . W-shaped, e.g. M-shaped, sigma-shaped

- 2230/0058 . . . X-shaped
- 2230/006 . . . Y-shaped
- 2230/0063 . Three-dimensional shapes
- 2230/0065 . . toroidal, e.g. ring-shaped, doughnut-shaped
- 2230/0067 . . conical
- 2230/0069 . . cylindrical
- 2230/0071 . . spherical
- 2230/0073 . . Quadric-shaped
- 2230/0076 . . . ellipsoidal or ovoid
- 2230/0078 . . . hyperboloidal
- 2230/008 . . . paraboloidal
- 2230/0082 . . parallelepipedal
- 2230/0084 . . . cubical
- 2230/0086 . . Pyramidal, tetrahedral, or wedge-shaped
- 2230/0089 . . . tetrahedral, i.e. having a triangular basis
- 2230/0091 . . helically-coiled or spirally-coiled, i.e. having a 2-D spiral cross-section
- 2230/0093 . . Umbrella-shaped, e.g. mushroom-shaped
- 2230/0095 . . Saddle-shaped
- 2230/0097 . . Harpoon-shaped

#### **2240/00 Manufacturing or designing of prostheses classified in groups [A61F 2/00](#) - [A61F 2/26](#) or [A61F 2/82](#) or [A61F 9/00](#) or [A61F 11/00](#) or subgroups thereof**

- 2240/001 . Designing or manufacturing processes
- 2240/002 . . Designing or making customized prostheses
- 2240/004 . . . Using a positive or negative model, e.g. moulds
- 2240/005 . . Templates
- 2240/007 . . Dummy prostheses
- 2240/008 . . Means for testing implantable prostheses

#### **2250/00 Special features of prostheses classified in groups [A61F 2/00](#) - [A61F 2/26](#) or [A61F 2/82](#) or [A61F 9/00](#) or [A61F 11/00](#) or subgroups thereof**

- 2250/0001 . Means for transferring electromagnetic energy to implants
- 2250/0002 . . for data transfer
- 2250/0003 . . having an inflatable pocket filled with fluid, e.g. liquid or gas
- 2250/0004 . . adjustable
- 2250/0006 . . for adjusting angular orientation
- 2250/0007 . . for adjusting length
- 2250/0008 . . for adjusting a position by translation along an axis or two perpendicular axes
- 2250/0009 . . for adjusting thickness
- 2250/001 . . for adjusting a diameter
- 2250/0012 . . for adjusting elasticity, flexibility, spring rate or mechanical tension
- 2250/0013 . . for adjusting fluid pressure
- 2250/0014 . . having different values of a given property or geometrical feature, e.g. mechanical property or material property, at different locations within the same prosthesis
- 2250/0015 . . differing in density or specific weight
- 2250/0017 . . . differing in yarn density
- 2250/0018 . . differing in elasticity, stiffness or compressibility
- 2250/0019 . . differing in hardness, e.g. Vickers, Shore, Brinell
- 2250/002 . . differing in moment of inertia
- 2250/0021 . . differing in coefficient of friction
- 2250/0023 . . differing in porosity
- 2250/0024 . . . made from both porous and non-porous parts, e.g. adjacent parts

2250/0025	. . differing in roughness	2250/0081	. . Prosthesis for animals
2250/0026	. . differing in surface structures	2250/0082	. . specially designed for children, e.g. having means for adjusting to their growth
2250/0028	. . differing in fibre orientations	2250/0084	. . Means for distinguishing between left-sided and right-sided devices; Sets comprising both left-sided and right-sided prosthetic parts
2250/0029	. . differing in bending or flexure capacity	2250/0085	. . Identification means; Administration of patients
2250/003	. . differing in adsorbability or resorbability, i.e. in adsorption or resorption time	2250/0086	. . . with bar code
2250/0031	. . . made from both resorbable and non-resorbable prosthetic parts, e.g. adjacent parts	2250/0087	. . . colour-coded
2250/0032	. . differing in radiographic density	2250/0089	. . . coded with symbols, e.g. dots, numbers, letters, words
2250/0034	. . differing in viscosity	2250/009	. . for single use, e.g. having means for preventing re-use
2250/0035	. . differing in release or diffusion time	2250/0091	. . transparent or translucent
2250/0036	. . differing in thickness	2250/0092	. . Means for cleaning prostheses
2250/0037	. . differing in height or in length	2250/0093	. . Ultrasound system, e.g. for inducing coagulation during eye surgery
2250/0039	. . differing in diameter	2250/0095	. . . with high intensity focused ultrasound
2250/004	. . differing in coefficient of thermal expansion, e.g. dilation, dilatation	2250/0096	. . Markers and sensors for detecting a position or changes of a position of an implant, e.g. RF sensors, ultrasound markers
2250/0041	. . differing in wear resistance	2250/0097	. . . Visible markings, e.g. indicia
2250/0042	. . differing in shape-memory transition temperatures, e.g. in martensitic transition temperature, in austenitic transition temperature	2250/0098	. . . radio-opaque, e.g. radio-opaque markers
2250/0043	. . differing in electric properties, e.g. in electrical conductivity, in galvanic properties	<b>2310/00</b>	<b>Prostheses classified in <a href="#">A61F 2/28</a> or <a href="#">A61F 2/30</a> - <a href="#">A61F 2/44</a> being constructed from or coated with a particular material</b>
2250/0045	. . . differing in electromagnetical properties	2310/0005	. The prosthesis being constructed from a particular material
2250/0046	. . differing in melting temperature	2310/00011	. . Metals or alloys
2250/0047	. . differing in thermal conductivity	2310/00017	. . . Iron- or Fe-based alloys, e.g. stainless steel
2250/0048	. . differing in mechanical expandability, e.g. in mechanical, self- or balloon expandability	2310/00023	. . . Titanium or titanium-based alloys, e.g. Ti-Ni alloys
2250/005	. . differing in colour	2310/00029	. . . Cobalt-based alloys, e.g. Co-Cr alloys or Vitallium
2250/0051	. . differing in tissue ingrowth capacity, e.g. made from both ingrowth-promoting and ingrowth-preventing parts	2310/00035	. . . Other metals or alloys
2250/0052	. . . differing in bone ingrowth capacity	2310/00041	. . . . Magnesium or Mg-based alloys
2250/0053	. . differing in optical properties	2310/00047	. . . . Aluminium or Al-based alloys
2250/0054	. . differing in corrosion resistance	2310/00053	. . . . Vanadium or V-based alloys
2250/0056	. . differing in wettability, e.g. in hydrophilic or hydrophobic behaviours	2310/00059	. . . . Chromium or Cr-based alloys
2250/0057	. . made from both cured and uncured parts	2310/00065	. . . . Manganese or Mn-based alloys
2250/0058	. Additional features; Implant or prostheses properties not otherwise provided for	2310/00071	. . . . Nickel or Ni-based alloys
2250/0059	. . temporary	2310/00077	. . . . Copper or Cu-based alloys
2250/006	. . modular	2310/00083	. . . . Zinc or Zn-based alloys
2250/0062	. . . Kits of prosthetic parts to be assembled in various combinations for forming different prostheses	2310/00089	. . . . Zirconium or Zr-based alloys
2250/0063	. . . Nested prosthetic parts	2310/00095	. . . . Niobium or Nb-based alloys
2250/0064	. . . Sets comprising a plurality of prosthetic parts of different sizes	2310/00101	. . . . Molybdenum or Mo-based alloys
2250/0065	. . telescopic	2310/00107	. . . . Palladium or Pd-based alloys
2250/0067	. . Means for introducing or releasing pharmaceutical products into the body	2310/00113	. . . . Silver or Ag-based alloys
2250/0068	. . . the pharmaceutical product being in a reservoir	2310/00119	. . . . Tin or Sn-based alloys
2250/0069	. . Sealing means	2310/00125	. . . . Hafnium or Hf-based alloys
2250/007	. . . O-rings	2310/00131	. . . . Tantalum or Ta-based alloys
2250/0071	. . breakable or frangible	2310/00137	. . . . Tungsten or W-based alloys
2250/0073	. . Force-limiting means	2310/00143	. . . . Iridium or Ir-based alloys
2250/0074	. . . Torque-limiting means	2310/00149	. . . . Platinum or Pt-based alloys
2250/0075	. . Sound-damping or noise-reducing means	2310/00155	. . . . Gold or Au-based alloys
2250/0076	. . waterproof	2310/00161	. . Carbon; Graphite
2250/0078	. . Gender-specific, e.g. different for male and female patients	2310/00167	. . . Diamond or diamond-like carbon
2250/0079	. . Means for preventing the accidental forgetting of prosthetic parts inside the body during operation	2310/00173	. . . Graphite
2250/008	. . Alarm means	2310/00179	. . Ceramics or ceramic-like structures
		2310/00185	. . . based on metal oxides
		2310/00191	. . . . containing beryllium oxide
		2310/00197	. . . . containing magnesia or magnesium oxide

2310/00203 . . . .	containing alumina or aluminium oxide	2310/00497 . . . .	Coating made of molybdenum or Mo-based alloys
2310/00209 . . . .	Corundum or Sapphire	2310/00502 . . . .	Coating made of ruthenium or Ru-based alloys
2310/00215 . . . .	containing silica or silicon oxide	2310/00508 . . . .	Coating made of rhodium or Rh-based alloys
2310/00221 . . . .	containing calcia or calcium oxide	2310/00514 . . . .	Coating made of palladium or Pd-based alloys
2310/00227 . . . .	containing titania or titanium oxide	2310/0052 . . . .	Coating made of silver or Ag-based alloys
2310/00233 . . . .	containing chromia or chromium oxides CrO, CrO <sub>2</sub> or CrO <sub>3</sub>	2310/00526 . . . .	Coating made of indium or In-based alloys
2310/00239 . . . .	containing zirconia or zirconium oxide ZrO <sub>2</sub>	2310/00532 . . . .	Coating made of tin or Sn-based alloys
2310/00245 . . . .	containing niobium oxide	2310/00538 . . . .	Coating made of hafnium or Hf-based alloys
2310/00251 . . . .	containing hafnia or hafnium oxide	2310/00544 . . . .	Coating made of tantalum or Ta-based alloys
2310/00257 . . . .	containing tantalum oxide	2310/0055 . . . .	Coating made of tungsten or W-based alloys
2310/00263 . . . .	based on metal borides	2310/00556 . . . .	Coating made of iridium or Ir-based alloys
2310/00269 . . . .	based on metal carbides	2310/00562 . . . .	Coating made of platinum or Pt-based alloys
2310/00275 . . . .	containing boron carbide	2310/00568 . . . .	Coating made of gold or Au-based alloys
2310/00281 . . . .	containing silicon carbide	2310/00574 . . . .	Coating or prosthesis-covering structure made of carbon, e.g. of pyrocarbon
2310/00287 . . . .	containing titanium carbide	2310/0058 . . . .	Coating made of diamond or of diamond-like carbon DLC
2310/00293 . . . .	containing a phosphorus-containing compound, e.g. apatite	2310/00586 . . . .	Coating made of graphite
2310/00299 . . . .	based on metal nitrides	2310/00592 . . . .	Coating or prosthesis-covering structure made of ceramics or of ceramic-like compounds
2310/00305 . . . .	containing boron nitride	2310/00598 . . . .	Coating or prosthesis-covering structure made of compounds based on metal oxides or hydroxides
2310/00311 . . . .	containing aluminium nitride	2310/00604 . . . .	Coating made of aluminium oxide or hydroxides
2310/00317 . . . .	containing silicon nitride	2310/0061 . . . .	Coating made of silicon oxide or hydroxides
2310/00323 . . . .	containing titanium nitride	2310/00616 . . . .	Coating made of titanium oxide or hydroxides
2310/00329 . . . .	Glasses, e.g. bioglass	2310/00622 . . . .	Coating made of chromium oxide or hydroxides
2310/00335 . . . .	Porcelain	2310/00628 . . . .	Coating made of cobalt oxide or hydroxides
2310/00341 . . . .	Coral, e.g. aragonite, porite	2310/00634 . . . .	Coating made of zirconium oxide or hydroxides
2310/00347 . . . .	Nacre or mother-of-pearl	2310/0064 . . . .	Coating made of niobium oxide or hydroxides
2310/00353 . . . .	Bone cement, e.g. polymethylmethacrylate or PMMA	2310/00646 . . . .	Coating made of molybdenum oxide or hydroxides
2310/00359 . . . .	Bone or bony tissue	2310/00652 . . . .	Coating made of hafnium oxide or hydroxides
2310/00365 . . . .	Proteins; Polypeptides; Degradation products thereof	2310/00658 . . . .	Coating made of tantalum oxide or hydroxides
2310/00371 . . . .	Collagen	2310/00664 . . . .	Coating made of tungsten oxide or hydroxides
2310/00377 . . . .	Fibrin	2310/0067 . . . .	Coating or prosthesis-covering structure made of compounds based on metal borides
2310/00383 . . . .	Gelatin	2310/00676 . . . .	Coating made of aluminium boride
2310/00389 . . . .	The prosthesis being coated or covered with a particular material	2310/00682 . . . .	Coating made of titanium boride
2310/00395 . . . .	Coating or prosthesis-covering structure made of metals or of alloys	2310/00688 . . . .	Coating made of vanadium boride
2310/00401 . . . .	Coating made of iron, of stainless steel or of other Fe-based alloys	2310/00694 . . . .	Coating made of chromium boride
2310/00407 . . . .	Coating made of titanium or of Ti-based alloys	2310/007 . . . .	Coating made of cobalt boride
2310/00413 . . . .	Coating made of cobalt or of Co-based alloys	2310/00706 . . . .	Coating made of zirconium boride
2310/00419 . . . .	Other metals	2310/00712 . . . .	Coating made of molybdenum boride
2310/00425 . . . .	Coating made of magnesium or of Mg-based alloys	2310/00718 . . . .	Coating made of lanthanum boride
2310/00431 . . . .	Coating made of aluminium or of Al-based alloys	2310/00724 . . . .	Coating made of tungsten boride
2310/00437 . . . .	Coating made of silicon or Si-based alloys	2310/0073 . . . .	Coating or prosthesis-covering structure made of compounds based on metal carbides
2310/00443 . . . .	Coating made of vanadium or of V-based alloys	2310/00736 . . . .	Coating made of boron carbide
2310/00449 . . . .	Coating made of chromium or Cr-based alloys	2310/00742 . . . .	Coating made of silicon carbide
2310/00455 . . . .	Coating made of manganese Mn-based alloys	2310/00748 . . . .	Coating made of titanium carbide
2310/00461 . . . .	Coating made of nickel or Ni-based alloys	2310/00754 . . . .	Coating made of chromium carbide
2310/00467 . . . .	Coating made of copper or Cu-based alloys		
2310/00473 . . . .	Coating made of zinc or Zn-based alloys		
2310/00479 . . . .	Coating made of germanium or Ge-based alloys		
2310/00485 . . . .	Coating made of zirconium or Zr-based alloys		
2310/00491 . . . .	Coating made of niobium or Nb-based alloys		

2310/0076	. . . .	Coating made of nickel carbide
2310/00766	. . . .	Coating made of zirconium carbide
2310/00772	. . . .	Coating made of niobium carbide
2310/00778	. . . .	Coating made of hafnium carbide
2310/00784	. . . .	Coating made of tantalum carbide
2310/0079	. . . .	Coating made of tungsten carbide
2310/00796	. . .	Coating or prosthesis-covering structure made of a phosphorus-containing compound, e.g. hydroxy(l)apatite
2310/00802	. . .	Coating or prosthesis-covering structure made of compounds based on metal hydrides
2310/00808	. . . .	Coating made of titanium hydride
2310/00814	. . . .	Coating made of vanadium hydride
2310/0082	. . . .	Coating made of chromium hydride
2310/00826	. . . .	Coating made of zirconium hydride
2310/00832	. . . .	Coating made of niobium hydride
2310/00838	. . . .	Coating made of hafnium hydride
2310/00844	. . . .	Coating made of tantalum hydride
2310/0085	. . .	Coating or prosthesis-covering structure made of compounds based on metal chlorides
2310/00856	. . .	Coating or prosthesis-covering structure made of compounds based on metal nitrides
2310/00862	. . . .	Coating made of boron nitride
2310/00868	. . . .	Coating made of aluminium nitride
2310/00874	. . . .	Coating made of silicon nitride
2310/0088	. . . .	Coating made of titanium nitride
2310/00886	. . . .	Coating made of chromium nitride
2310/00892	. . . .	Coating made of zirconium nitride
2310/00898	. . . .	Coating made of niobium nitride
2310/00904	. . . .	Coating made of hafnium nitride
2310/0091	. . . .	Coating made of tantalum nitride
2310/00916	. . .	Coating or prosthesis-covering structure made of compounds based on metal sulfides
2310/00922	. . . .	Coating made of molybdenum sulfide
2310/00928	. .	Coating or prosthesis-covering structure made of glass or of glass-containing compounds, e.g. of bioglass
2310/00934	. . .	Coating made of enamel
2310/0094	. . .	Coating made of porcelain
2310/00946	. .	Coating or prosthesis-covering structure made of nacre or mother-of-pearl
2310/00952	. .	Coating, pre-coating or prosthesis-covering structure made of bone cement, e.g. pre-applied PMMA cement mantle
2310/00958	. .	Coating or prosthesis-covering structure made of bone or of bony tissue
2310/00964	. .	Coating or prosthesis-covering structure made of cartilage
2310/0097	. .	Coating or prosthesis-covering structure made of pharmaceutical products, e.g. antibiotics
2310/00976	. .	Coating or prosthesis-covering structure made of proteins or of polypeptides, e.g. of bone morphogenic proteins BMP or of transforming growth factors TGF
2310/00982	. . .	Coating made of collagen
2310/00988	. . .	Coating made of fibrin
2310/00994	. . .	Coating made of gelatin