

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

The following classification changes will be effected by this Notice of Changes:

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	A61B	5/0809
Symbols New:	A61B	5/086
Titles Changed:	A61B	SUBCLASS
	A61B	1/00, 1/24, 1/32
	A61B	3/00, 3/0008, 3/0075, 3/04, 3/125, 3/14
	A61B	5/0002, 5/0017, 5/0033, 5/0059, 5/0097, 5/02, 5/021, 5/0215, 5/024, 5/025, 5/029, 5/03, 5/05, 5/06, 5/076, 5/08, 5/0806, 5/0826, 5/0875, 5/103, 5/1032, 5/11, 5/1103, 5/1104, 5/1107, 5/145, 5/1459, 5/1468, 5/1473, 5/15, 5/150305, 5/150351, 5/150358, 5/150366, 5/150374, 5/150473, 5/150503, 5/150732, 5/150763, 5/150992, 5/22, 5/322, 5/369, 5/40, 5/4029, 5/4058, 5/4064, 5/407, 5/4076, 5/4312, 5/4519, 5/4821, 5/4854, 5/4857, 5/486, 5/4866, 5/6805, 5/6832
	A61B	6/00, 6/03, 6/04
	A61B	7/02, 7/04
	A61B	8/00, 8/06, 8/065, 8/08, 8/0875, 8/12, 8/13, 8/4494, 8/463, 8/466, 8/481, 8/52, 8/5207, 8/5238, 8/5269, 8/587
	A61B	10/00, 10/0045, 10/04
	A61B	13/00
	A61B	16/00
	A61B	17/00, 17/00491, 17/02, 17/04, 17/0482, 17/06, 17/06004, 17/06066, 17/072, 17/10, 17/115, 17/12, 17/122, 17/135, 17/14, 17/15, 17/16, 17/176, 17/20, 17/22, 2017/22014, 17/2255, 17/28, 17/30, 17/32, 17/32053, 17/3217, 17/34, 17/3401, 17/3403, 17/42, 17/425, 17/46, 17/50, 17/54, 17/58, 17/70, 17/7082, 17/72
	A61B	18/02, 18/04, 18/18, 2018/20553
	A61B	90/00, 90/05, 90/60
	A61B	2576/00
Indents Changed:	A61B	5/1486, 5/14865
Notes Deleted:	A61B	SUBCLASS
	A61B	10/00
	A61B	17/20
Guidance Headings Deleted:	A61B	2218/00
Guidance Headings New:	A61B	2217/00
	A61B	2503/00
Guidance Headings Modified:	A61B	1/00
DEFINITIONS:		

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

Action	Subclass	Group(s)
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)	A61B	5/0809
	A61B	10/0045
Definitions New:	A61B	5/086, 5/150305, 5/150351, 5/150358, 5/150366, 5/150374, 5/150473, 5/150503, 5/150763, 5/150992, 5/322
	A61B	17/00491
	A61B	2576/00
Definitions Modified:	A61B	SUBCLASS
	A61B	1/00, 1/018, 1/12, 1/127, 1/24
	A61B	3/00, 3/103, 3/107, 3/117, 3/14
	A61B	5/0033, 5/0059, 5/0097, 5/0205, 5/021, 5/022, 5/024, 5/029, 5/0295, 5/03, 5/05, 5/0535, 5/06, 5/065, 5/066, 5/07, 5/076, 5/08, 5/0806, 5/0813, 5/0816, 5/0826, 5/0875, 5/103, 5/1032, 5/1073, 5/1075, 5/11, 5/1107, 5/145, 5/14542, 5/1455, 5/14556, 5/14557, 5/14558, 5/1459, 5/1468, 5/1473, 5/1482, 5/1486, 5/18, 5/22, 5/369, 5/40, 5/4058, 5/407, 5/4076, 5/4312, 5/4806, 5/4821, 5/4854, 5/4857, 5/4866, 5/4869, 5/4872, 5/68, 5/6805, 5/6832
	A61B	6/00, 6/03, 6/04, 6/06
	A61B	7/00, 7/04
	A61B	8/00, 8/06, 8/08, 8/0875, 8/12, 8/13, 8/52, 8/5207, 8/5269
	A61B	10/00, 10/04
	A61B	13/00
	A61B	16/00
	A61B	17/00, 17/02, 17/04, 17/0482, 17/06, 17/06066, 2017/07221, 17/12, 17/122, 17/135, 17/16, 17/20, 17/22, 17/28, 17/30, 17/32, 17/320725, 17/34, 17/42, 17/425, 17/46, 17/50, 17/54, 17/7082, 17/72
	A61B	18/00, 18/02, 18/04
	A61B	50/00, 50/10
	A61B	90/00, 90/05, 2090/061, 2090/0815, 2090/3937, 90/50, 90/60

The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL): **A61B 10/0096**

This Notice of Changes includes the following [Check the ones included]:

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

3. REVISION CONCORDANCE LIST (RCL)
4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS A61B - DIAGNOSIS; SURGERY; IDENTIFICATION

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	A61B	Subclass	DIAGNOSIS; SURGERY; IDENTIFICATION (usefulness limited to only animals A61D)	
M	A61B1/00	0	Instruments for performing medical examinations of the interior of cavities or tubes of the body by visual or photographic inspection, e.g. endoscopes (examination of body cavities or body tracts using ultrasonic, sonic or infrasonic waves A61B8/12; endoscopic instruments for taking cell samples or for biopsy A61B10/04); Illuminating arrangements therefor (for the eyes A61B3/00)	
M	A61B1/24	1	for the mouth, i.e. stomatoscopes, e.g. with tongue depressors; Instruments for opening or keeping open the mouth	
M	A61B1/32	1	Devices for opening or enlarging the visual field, e.g. of a tube of the body	
M	A61B3/00	0	Apparatus for testing the eyes; Instruments for examining the eyes (eye inspection using ultrasonic, sonic or infrasonic waves A61B8/10)	
M	A61B3/0008	1	{provided with illuminating means (A61B3/117, A61B3/14 take precedence)}	
M	A61B3/0075	1	{provided with adjusting devices, e.g. operated by control lever}	
M	A61B3/04	3	Trial frames; Sets of lenses for use therewith	
M	A61B3/125	3	with contact lenses	
M	A61B3/14	2	Arrangements specially adapted for eye photography	
M	A61B5/0002	1	{Remote monitoring of patients using telemetry, e.g. transmission of vital signals via a communication network (endoradiosondes A61B5/07)}	
M	A61B5/0017	3	{transmitting optical signals}	
M	A61B5/0033	1	{Features or image-related aspects of imaging apparatus, e.g. for MRI, optical tomography or impedance tomography apparatus; Arrangements of imaging apparatus in a room}	
M	A61B5/0059	1	{using light, e.g. diagnosis by transillumination, diascopy, fluorescence (photoacoustic A61B5/0093; optical measurement of heart rate A61B5/02416; optical measurement of blood flow A61B5/0261; optical measurement of analytes A61B5/1455)}	

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

M	A61B5/0097	2	{by applying acoustic waves and detecting light, i.e. acousto-optic measurements}	
M	A61B5/02	1	Detecting, measuring or recording for evaluating the cardiovascular system, e.g. pulse, heart rate, blood pressure or blood flow	
M	A61B5/021	2	Measuring pressure in heart or blood vessels	
M	A61B5/0215	3	by means inserted into the body	
M	A61B5/024	2	Measuring pulse rate or heart rate	
M	A61B5/025	4	within occluders, e.g. responsive to Korotkoff sounds	
M	A61B5/029	3	Measuring blood output from the heart, e.g. minute volume	
M	A61B5/03	1	Measuring fluid pressure within the body other than blood pressure, e.g. cerebral pressure {; Measuring pressure in body tissues or organs (determining bladder or urethral pressure A61B5/205)}	
M	A61B5/05	1	Detecting, measuring or recording for diagnosis by means of electric currents or magnetic fields; Measuring using microwaves or radio waves (measuring movement of the entire body or parts thereof A61B5/11; detecting, measuring or recording bioelectric or biomagnetic signals of the body or parts thereof A61B5/24)	
M	A61B5/06	1	Devices, other than using radiation, for detecting or locating foreign bodies {; Determining position of diagnostic devices within or on the body of the patient}	
M	A61B5/076	2	{Permanent implantation}	
M	A61B5/08	1	Measuring devices for evaluating the respiratory organs	
M	A61B5/0806	2	{by whole-body plethysmography}	
D	A61B5/0809	2	{by impedance pneumography}	<administrative transfer to A61B5/086>
M	A61B5/0826	2	{Detecting or evaluating apnoea events (sleep apnoea A61B5/4818)}	
U	A61B5/085	2	Measuring impedance of respiratory organs or lung elasticity	
N	A61B5/086	3	{by impedance pneumography}	
M	A61B5/0875	3	{using means carried by the fluid stream, e.g. free-floating balls}	
M	A61B5/103	1	Measuring devices for testing the shape, pattern, {colour,} size or movement of the body or parts thereof, for diagnostic purposes (measuring instruments specially adapted for dentistry A61C19/04)	
M	A61B5/1032	2	{Determining colour of tissue for diagnostic purposes}	
M	A61B5/11	2	Measuring movement of the entire body or parts thereof, e.g. head or hand tremor or mobility of a limb {(A61B5/1038 takes precedence; motion detection to correct for motion artifacts in physiological signals A61B5/721)}	
M	A61B5/1103	3	{Detecting muscular movement of the eye, e.g. eyelid movement}	

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

M	A61B5/1104	3	{induced by stimuli or drugs (A61B5/1102 takes precedence)}	
M	A61B5/1107	3	{Measuring contraction of parts of the body, e.g. organ or muscle}	
M	A61B5/145	1	Measuring characteristics of blood <u>in vivo</u> , e.g. gas concentration or pH-value {; Measuring characteristics of body fluids or tissues, e.g. interstitial fluid or cerebral tissue} (non-radiation detecting or locating of foreign bodies in blood A61B5/06)	
M	A61B5/1459	3	invasive, e.g. introduced into the body by a catheter	
M	A61B5/1468	2	using chemical or electrochemical methods, e.g. by polarographic means	
M	A61B5/1473	3	invasive, e.g. introduced into the body by a catheter	
M	A61B5/1486	3	using enzyme electrodes, e.g. with immobilised oxidase	
M	A61B5/14865	4	{invasive, e.g. introduced into the body by a catheter or needle or using implanted sensors}	
M	A61B5/15	1	Devices for taking samples of blood	
M	A61B5/150305	4	{Packages specially adapted for piercing devices or blood sampling devices}	
M	A61B5/150351	3	{Caps, stoppers or lids for sealing or closing a blood collection vessel or container, e.g. a test-tube or syringe barrel}	
M	A61B5/150358	3	{Strips for collecting blood, e.g. absorbent}	
M	A61B5/150366	3	{Blood collection bags, e.g. connected to the patient by a catheter comprising means for removing a small sample of collected blood from the bag}	
M	A61B5/150374	3	{Details of piercing elements or protective means for preventing accidental injuries by such piercing elements}	
M	A61B5/150473	5	{Double-ended needles, e.g. used with pre-evacuated sampling tubes (hollow piercing element tip design A61B5/150396)}	
M	A61B5/150503	5	{Single-ended needles (hollow piercing element tip design A61B5/150396)}	
M	A61B5/150732	3	{Needle holders, for instance for holding the needle by the hub, used for example with double-ended needle and pre-evacuated tube}	
M	A61B5/150763	3	{with identification means}	
M	A61B5/150992	2	{Blood sampling from a fluid line external to a patient, such as a catheter line, combined with an infusion line; Blood sampling from indwelling needle sets, e.g. sealable ports, luer couplings or valves}	
M	A61B5/22	1	Ergometry; Measuring muscular strength or the force of a muscular blow	
M	A61B5/322	5	Physical templates or devices for measuring ECG waveforms, e.g. electrocardiograph rulers or calipers	
M	A61B5/369	3	Electroencephalography [EEG]	
M	A61B5/40	1	{Detecting, measuring or recording for evaluating the nervous system (for sleep A61B5/4806; for a naesthesia A61B5/4821; for pain A61B5/4824)}	

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

M	A61B5/4029	2	{for evaluating the peripheral nervous systems (using bioelectric or biomagnetic signals A61B5/24)}	
M	A61B5/4058	2	{for evaluating the central nervous system}	
M	A61B5/4064	3	{Evaluating the brain (for intracranial pressure A61B5/031; for cerebral blood gases A61B5/14553; using EEG A61B5/369)}	
M	A61B5/407	3	{Evaluating the spinal cord (for locating the epidural space A61B5/4896)}	
M	A61B5/4076	2	{Diagnosing or monitoring particular conditions of the nervous system}	
M	A61B5/4312	3	{Breast evaluation or disorder diagnosis (optical mammography A61B5/0091)}	
M	A61B5/4519	2	{Muscles (measuring muscular strength A61B5/224; using electromyography [EMG] A61B5/389)}	
M	A61B5/4821	2	{Determining level or depth of anaesthesia (based on movements A61B5/1106)}	
M	A61B5/4854	2	{Diagnosis based on concepts of alternative medicine, e.g. homeopathy or non-orthodox}	
M	A61B5/4857	2	{Indicating the phase of biorhythm}	
M	A61B5/486	2	{Biofeedback (using electroencephalography [EEG] A61B5/375)}	
M	A61B5/4866	2	{Evaluating metabolism (using breath test A61B5/083)}	
M	A61B5/6805	5	{Vests, e.g. shirts or gowns}	
M	A61B5/6832	4	{using adhesives (conductive adhesive for bioelectric electrodes A61B5/259)}	
M	A61B6/00	0	Apparatus or devices for radiation diagnosis; Apparatus or devices for radiation diagnosis combined with radiation therapy equipment (instruments measuring radiation intensity for application in the field of nuclear medicine, e.g. <u>in vivo</u> counting, G01T1/161)	
M	A61B6/03	2	Computed tomography [CT]	
M	A61B6/04	1	Positioning of patients; Tiltable beds or the like	
M	A61B7/02	1	Stethoscopes	
M	A61B7/04	2	Electric stethoscopes	
M	A61B8/00	0	Diagnosis using ultrasonic, sonic or infrasonic waves	
M	A61B8/06	1	Measuring blood flow	
M	A61B8/065	2	{to determine blood output from the heart}	
M	A61B8/08	1	Clinical applications (A61B8/02, A61B8/04, A61B8/06 take precedence)	
M	A61B8/0875	2	{for diagnosis of bone}	
M	A61B8/12	1	in body cavities or body tracts, e.g. by using catheters	
M	A61B8/13	1	Tomography (A61B8/10, A61B8/12 take precedence)	
M	A61B8/4494	3	{characterised by the arrangement of the transducer elements}	
M	A61B8/463	3	{characterised by displaying multiple images or images and diagnostic data on one display}	
M	A61B8/466	3	{adapted to display 3D data}	

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

M	A61B8/481	2	{involving the use of contrast agents, e.g. microbubbles introduced into the bloodstream}	
M	A61B8/52	1	{Devices using data or image processing specially adapted for diagnosis using ultrasonic, sonic or infrasonic waves}	
M	A61B8/5207	2	{involving processing of raw data to produce diagnostic data, e.g. for generating an image}	
M	A61B8/5238	3	{for combining image data of patient, e.g. merging several images from different acquisition modes into one image}	
M	A61B8/5269	2	{involving detection or reduction of artifacts}	
M	A61B8/587	2	{Calibration phantoms}	
M	A61B10/00	0	Instruments for taking body samples for diagnostic purposes (for taking samples of blood A61B5/15); Other methods or instruments for diagnosis, e.g. for vaccination diagnosis, sex determination or ovulation-period determination; Throat striking implements	
M	A61B10/0045	1	{Devices for taking samples of body liquids}	
M	A61B10/04	2	Endoscopic instruments, e.g. catheter-type instruments	
M	A61B13/00	0	Instruments for depressing the tongue (combined with illuminating and viewing instruments A61B1/24; combined with saliva removers A61C17/10)	
M	A61B16/00	0	Devices specially adapted for vivisection or autopsy	
M	A61B17/00	0	Surgical instruments, devices or methods (A61B18/00 takes precedence; dental tools A61C3/00; eye surgery A61F9/007; ear surgery A61F11/20)	
M	A61B17/00491	1	{Surgical glue applicators}	
M	A61B17/02	1	for holding wounds open, e.g. retractors; Tractors	
M	A61B17/04	1	for suturing wounds; Holders or packages for needles or suture materials	
M	A61B17/0482	2	{Needle or suture guides (guides for drills, pins or wire A61B17/17; guides for puncturing needles A61B17/3403)}	
M	A61B17/06	2	Needles {; Sutures; Needle-suture combinations}; Holders or packages for needles or suture materials	
M	A61B17/06004	3	{Means for attaching suture to needle (tipping A61B17/06195)}	
M	A61B17/06066	3	{Needles, e.g. needle tip configurations}	
M	A61B17/072	2	for applying a row of staples in a single action, e.g. the staples being applied simultaneously	
M	A61B17/10	1	for applying or removing wound clamps {, e.g. containing only one clamp or staple (A61B17/076 takes precedence; containing multiple wound clamps A61B17/068)}; Wound clamp magazines	
M	A61B17/115	2	Staplers for performing a anastomosis, e.g. in a single operation	
M	A61B17/12	1	for ligaturing or otherwise compressing tubular parts of the body, e.g. blood vessels or umbilical cord	
M	A61B17/122	2	Clamps or clips, e.g. for the umbilical cord {(for the vas deferens A61F6/206)}	
M	A61B17/135	3	inflatable	

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

M	A61B17/14	1	Surgical saws ({A61B17/1637 takes precedence;} dental saws for teeth A61C3/12)	
M	A61B17/15	2	Guides therefor	
M	A61B17/16	1	Instruments for performing osteoclasis; Drills or chisels for bones; Trepanns {(arthroscopic bone cutters A61B17/320016)}	
M	A61B17/176	4	{for the jaw}	
M	A61B17/20	1	for vaccinating or cleaning the skin previous to the vaccination {(Vaccination diagnosis other than by injuring the skin A61B10/0035)}	
M	A61B17/22	1	Implements for squeezing-off ulcers or the like on inner organs of the body; Implements for scraping-out cavities of body organs, e.g. bones; for invasive removal or destruction of calculus using mechanical vibrations; for removing obstructions in blood vessels, not otherwise provided for	
M	A61B2017/22014	4	{the ultra sound transducer being outside patient's body; with an ultra sound transmission member; with a wave guide; with a vibrated guide wire }	
M	A61B17/2255	3	{Means for positioning patient, shock wave apparatus or locating means, e.g. mechanical aspects, patient beds, support arms or aiming means }	
M	A61B17/28	1	Surgical forceps (biopsy forceps A61B10/06; {for holding suture needles or materials A61B17/0483; for removing or smashing calculi A61B17/221; surgical scissors A61B17/3201;} obstetrical forceps A61B17/44)	
M	A61B17/30	1	Surgical pincettes, i.e. surgical tweezers {without pivotal connections (for holding suture needles or materials A61B17/0483)}	
M	A61B17/32	1	Surgical cutting instruments ({A61B18/042 takes precedence; suture cutters A61B17/0467;} implements for ligaturing and cutting {A61B17/122, A61B17/12; instruments for rupturing the amniotic membrane A61B17/4208; specially adapted knives for eye surgery A61F9/0133})	
M	A61B17/32053	3	{Punch like cutting instruments, e.g. using a cylindrical or oval knife (A61B17/326 takes precedence; trepanns A61B17/1695)}	
M	A61B17/3217	4	Devices for removing or collecting used scalpel blades	
M	A61B17/34	1	Trocars; Puncturing needles	
M	A61B17/3401	2	{Puncturing needles for the peridural or subarachnoid space or the plexus, e.g. for anaesthesia }	
M	A61B17/3403	2	{Needle locating or guiding means }	
M	A61B17/42	1	Gynaecological or obstetrical instruments or methods {(ligaturing clamps or clips for the umbilical cord A61B17/122; curettage A61B17/320708)}	
M	A61B17/425	2	for reproduction or fertilisation	
M	A61B17/46	2	Embryotomes	

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

M	A61B17/50	1	Instruments {, other than pincettes or toothpicks, } for removing foreign bodies from the human body (surgical pincettes, i.e. surgical tweezers, A61B17/30)	
M	A61B17/54	1	Chiropodists' instruments {, e.g. pedicure }	
M	A61B17/58	2	for osteosynthesis, e.g. bone plates, screws or setting implements (A61B17/14, A61B17/16 take precedence)	
M	A61B17/70	4	Spinal positioners or stabilisers, e.g. stabilisers comprising fluid filler in an implant	
M	A61B17/7082	7	{for driving, i.e. rotating, screws or screw parts specially adapted for spinal fixation, e.g. for driving polyaxial or tulip-headed screws }	
M	A61B17/72	4	Intramedullary devices, e.g. pins or nails	
M	A61B18/02	1	by cooling, e.g. cryogenic techniques	
M	A61B18/04	1	by heating (by applying electromagnetic radiation A61B18/18)	
M	A61B18/18	1	by applying electromagnetic radiation, e.g. microwaves	
M	A61B2018/20553	4	{with special lens or reflector arrangement }	
M	A61B90/00	0	Instruments, implements or accessories specially adapted for surgery or diagnosis and not covered by any of the groups A61B1/00 - A61B50/00, e.g. for luxation treatment or for protecting wound edges	
M	A61B90/05	1	{Splash shields for protection of the surgeon, e.g. splash guards connected to the apparatus }	
M	A61B90/60	1	Supports for surgeons, e.g. chairs or hand supports (seats for dentists or surgeons associated with dental chairs or operating chairs A61G15/08)	
M	A61B2576/00	0	Medical imaging apparatus involving image processing or analysis (A61B1/00009, A61B6/52 and A61B8/52 take precedence)	

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T = existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No {curly brackets } are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets } are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

- For administrative transfer of documents, the following text should be used: “<administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or <administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalization projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

C. New, Modified or Deleted Note(s)

SUBCLASS A61B - DIAGNOSIS; SURGERY; IDENTIFICATION

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
D	A61B	This subclass covers instruments, implements and processes for diagnostic, surgical and person-identification purposes, including obstetrics, instruments for cutting corns, vaccination instruments, finger-printing, psycho-physical tests.	<u>Delete</u> entire Note
D	A61B10/00	Attention is drawn to group A61F13/15 which provides for swabs	<u>Delete</u> entire Note
D	A61B17/20	Cleaning the skin previous to the vaccination is classified in A61B90/80	<u>Delete</u> entire Note

*N = new note, M = modified note, D = deleted note

NOTE: The "Location" column only requires the symbol PRIOR to the location of the note. No further directions such as "before" or "after" are required.

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

D. New, Modified or Deleted Guidance Heading(s)**SUBCLASS A61B - DIAGNOSIS; SURGERY; IDENTIFICATION**

<u>Type*</u>	<u>Location</u>	<u>Old Guidance Heading</u>	<u>New/Modified Guidance Heading</u>
M	A61B 1/00 - A61B 16/00	Diagnosis; Psycho-physical tests	Diagnosis
D	A61B2218/00	Diagnosis; Psycho-physical tests	Delete entire heading
N	A61B2217/00 - A61B2218/00		Surgery
N	A61B2503/00 - A61B2576/00		Diagnosis

*N = new guidance heading, M = modified guidance heading, D = deleted guidance heading

NOTES:

- The "Location" column requires the symbol AFTER the guidance heading location. No further directions such as "before" or "after" are required.
- In cases where there may be confusion as to whether a new group falls within the scope of a guidance heading, indicate the guidance heading and whether the group does or does not go with the guidance heading. This can be included in the "Location" column. For example, the guidance heading "Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen" encompasses groups C07C 301/00-395/00 only. If a new group C07C 398/00 is proposed and is included in the guidance heading scope, indicate this in the "Location" column as follows: 398/00 to be included under the guidance heading: "Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen."

DATE: JANUARY 1, 2025

PROJECT RP12362

2. A. DEFINITIONS (new)

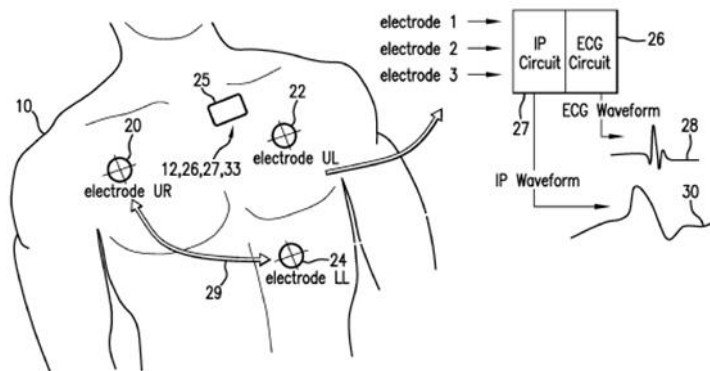
A61B5/086

Definition statement

This place covers:

Detection of electrical impedance of respiratory organs.

Illustrative example of subject matter classified in this place:



The Figure illustrates an IP [impedance pneumography] circuit (27) (25) which generates a current that is modulated at a high frequency (typically 50-100 kHz). The current passes through electrode LL (24). It then propagates through the patient's chest, as indicated by the arrow (29), where a respiration-induced capacitance change modulates it according to the RR.

Electrode UR (20) detects the resultant analogue signal, which is then processed within the IP circuit to determine an analogue IP waveform (30) featuring a low-frequency series of pulses corresponding to RR.

The analogue filters in the IP circuit (27) are chosen to filter out high-frequency components that contribute to the ECG QRS complex.

DATE: JANUARY 1, 2025

PROJECT RP12362

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Impedance plethysmography in general	A61B5/0535
Detecting respiration rate in general	A61B5/0816

A61B5/150305

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Kits for diabetes	A61M5/003
Packaging in general	B65D

A61B5/150351

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Caps for bottles or containers in general	B65D41/00
---	---------------------------

DATE: JANUARY 1, 2025

PROJECT RP12362

A61B5/150358

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Optical reagent test strips	G01N21/8483
Chemical reagent test strips	G01N33/4875
Use of compounds or compositions for colorimetric, spectrophotometric or fluorometric investigation, e.g. use of reagent paper	G01N33/52

A61B5/150366

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Collection bags	A61J1/05
Multiple bag systems for separating or storing blood components	A61M1/0209

A61B5/150374

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Hollow piercing elements, e.g. canulas, needles, for piercing the skin	A61B5/150389
Double-ended needles, e.g. used with pre-evacuated sampling tubes	A61B5/150473

DATE: JANUARY 1, 2025

PROJECT RP12362

Single-ended needles	A61B5/150503
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A61B5/150473**References****Limiting references***This place does not cover:*

Specific tip design, e.g. for improved penetration characteristics	A61B5/150396
--	------------------------------

Informative references*Attention is drawn to the following places, which may be of interest for search:*

Needles for bringing media into the body	A61M5/32
Needle sets for catheters in general	A61M25/06

A61B5/150503**References****Limiting references***This place does not cover:*

Specific tip design, e.g. for improved penetration characteristics	A61B5/150396
--	------------------------------

Informative references*Attention is drawn to the following places, which may be of interest for search:*

Needles for bringing media into the body	A61M5/32
--	--------------------------

DATE: JANUARY 1, 2025

PROJECT RP12362

Needle sets for catheters in general	A61M25/06
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A61B5/150763

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Identification means for surgical instruments	A61B90/90
---	---------------------------

A61B5/150992

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Tubing connectors and couplings for catheters in general	A61M39/00
--	---------------------------

A61B5/322

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Physical templates or devices for measuring ECG waveforms, e.g. electrocardiograph rulers or calipers, by template matching	A61B5/35
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CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

A61B17/00491

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Surgical adhesives	A61L24/00
Two-component delivery syringes	A61M5/19

A61B2576/00

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Biomedical image inspection	G06T7/0012
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2. A. DEFINITIONS (modified)

A61B

Definition statement

Replace: The existing Definition statement with the following updated statement.

Diagnosis

Apparatus, instruments, implements or processes that are either specially adapted or intended to be solely utilised for evaluating, examining, measuring, monitoring, studying or testing particular characteristics and aspects of either living or dead human and animal bodies for medical purposes (i.e. diagnosis). Diagnosis consists of scrutinising the following characteristics or aspects of bodies:

- internal or external portions of the bodies (e.g. lungs);
- abnormal bodily conditions (e.g. sickness, broken bones, detecting foreign bodies, pregnancy);
- mental conditions (e.g. psychotechnics); and
- bodily functions (e.g. heart beat or vision).

Surgery

Apparatus, instruments, implements or processes that are either specially adapted or intended to be solely utilised for medical procedures employing physical actions (e.g. laser cutting, pressure of fluid) on portions of human or animal bodies to correct, enhance or inspect (e.g. autopsies) them for medical purposes (i.e. surgery). Surgery consists of the following medical procedures:

- repositioning (e.g. aligning broken bones or opening wounds) parts of bodies;
- stabilising (e.g. inserting bone pins) to prevent harmful movement of parts of bodies;
- repairing (e.g. fastening skin together or removing cancerous tissue) bodies;
- facilitating the occurrence of naturally occurring bodily functions (e.g. child birth or passing kidney stones) that are out of the ordinary;
- introducing, collecting or removing cells and organs (e.g. inseminations, tissue sampling, hair transplants, skin grafting, biopsies, organ harvesting) to or from bodies; and
- introducing or taking out foreign objects (e.g. replacement heart valves, bullets) to or from bodies.

Identification

DATE: JANUARY 1, 2025

PROJECT RP12362

Apparatus, instruments, implements or processes that are either specially adapted or intended to be solely utilised in procedures for identifying individual human beings (e.g. finger printing, by recognition of shape or dimension of body part) using unique characteristics of their bodies or behaviour (i.e. identification).

Accessories therefor

Adjunct or supplementary means (i.e. accessories) specially adapted for use in, or intended for exclusive use in, diagnosis, surgery or identification. These adjunct or supplementary means contribute to the effectiveness (e.g. surgical drapes) or safety (e.g. operating gloves) of a medical procedure, but may or may not (e.g. protective covers for scalpels) themselves involve any direct contact with a body.

Components of diagnosis, surgery or identification means with structural features limiting their usefulness to medical procedures.

Relationships with other classification places

Replace: The existing Relationships text with the following updated text.

Several subclasses provide for subject matter that is used for “diagnosis”. The relationship between these subclasses with regard to the type of 'diagnosis' covered by each is as follows:

Subclass [A61B](#) provides for diagnosis in general.

Subclass [A61B](#) also provides for any surgical or identification apparatus or methods when

- the apparatus or methods are combined with diagnosis means; or
- the apparatus can be used for diagnosis and either surgery or identification.

Subclass [A61B](#) additionally provides for any diagnostic apparatus or methods combined with therapy apparatus or method normally covered by subclass [A61H](#), subclass [A61M](#) or subclass [A61N](#) when

- the same apparatus or methods are used for both purposes; or
- combined together but only useable separately.

Subclass [A61H](#) provides for diagnostic means or steps that are combined with massage and physical therapy apparatus or methods used for the treatment of disease or disability (i.e. an abnormal condition of the body) by utilisation of direct

DATE: JANUARY 1, 2025

PROJECT RP12362

mechanical energy, i.e. when the diagnostic means or step is used solely for operational feedback purposes to enhance therapy.

Subclass [A61M](#) provides for diagnostic means or steps that are combined with syringes, suction, pumping or atomising devices for medical use (e.g. cups, breast relievers, irrigators, sprays, powder insufflators, atomisers or inhalers), apparatus for general or local anaesthetics, devices or methods for causing a change in the state of consciousness, catheters, dilators or apparatus for introducing media into the body other than orally, i.e. when the diagnostic monitoring means or step is used solely for operational feedback purposes to enhance treatment or to enhance delivery of the media.

Subclass [A61N](#) provides for diagnostic means or steps that are combined with medical treatment therapy apparatus or methods used for the treatment of disease or disability by utilisation of forms of energy other than direct mechanical energy, i.e. when the diagnostic monitoring means or step is used solely for operational feedback purposes to enhance therapy.

References

Limiting references

Replace: The existing Limiting references table with the following updated table.

Veterinary instruments, implements, tools or methods specially adapted so as to limit their usefulness to only animals	A61D
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Informative references

Replace: The existing Informative references table with the following updated table.

Operating tables and auxiliary devices for these tables	A61G13/00
Operating chairs	A61G15/00
Physical therapy apparatus that includes diagnostic feedback means for influencing operation	A61H
Apparatus for artificial respiration or heart stimulation	A61H31/00
Containers specially adapted for medical or pharmaceutical purposes	A61J1/00
Devices for administering medicines orally	A61J7/00
Materials for surgical sutures or for ligaturing blood vessels	A61L17/00
Surgical adhesives or cements and adhesives for colostomy devices	A61L24/00

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

Materials for colostomy devices	A61L28/00
Syringes, suction, pumping or atomising devices for medical use (e.g. cups, breast relievers, irrigators, sprays, powder insufflators, atomisers or inhalers), apparatus for general or local anaesthetics, devices or methods for causing a change in the state of consciousness, catheters, dilators or apparatus for introducing media into the body other than orally	A61M
Non-surgical treatment of medical conditions or physical injuries by utilisation of forms of energy not directly generated by mechanical apparatus, devices or means that includes diagnostic feedback means for influencing its operation	A61N
Measuring or testing processes involving enzymes or microorganisms	C12Q1/00
Analysing samples of biological material	G01N
Obtaining records using waves other than optical waves and viewing such records by using optical means	G03B42/00

A61B1/00

References

Limiting references

Replace: The existing Limiting references table with the following updated table.

Apparatus for testing the eyes; Instruments for examining the eyes	A61B3/00
Diagnosis using ultrasonic, sonic or infrasonic waves in body cavities or body tracts, e.g. by using catheters	A61B8/12
Endoscopic instruments for taking cell samples or for biopsy	A61B10/04

Informative references

Replace: The existing Informative references table with the following updated table.

Optical probes as there is no visual image channel	A61B5/0059
Surgical instruments, devices or methods, e.g. tourniquets	A61B17/00
Endoscopic surgical instruments	A61B2017/0034
Endoscopic surgical instruments	A61B17/32

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

Surgical instruments using a laser beam being directed along or through a flexible conduit, e.g. an optical fibre; Hand-pieces therefor	A61B18/22
Catheters, e.g. flexible tubes	A61M25/00
Industrial endoscopes, e.g. borescopes; optical details thereof, e.g. particularly lens and optical fibre details	G02B23/24

Glossary of terms

Replace: The existing Glossary of terms table with the following updated table.

rod-lens	a number of glass rods with specially shaped ends, that are used in rigid endoscopes instead of several thin glass lenses to improve image transmission properties and widen the field of view.
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A61B1/018

Definition statement

Replace: The word “thought” with the word “through” in the existing Definition statement, so that the updated statement appears as follows.

All kind of working channels for insertion of medical instruments through the endoscope shaft, e.g. for minimally invasive surgery.

A61B1/12

References

Informative references

Replace: The existing Informative references table with the following updated table.

Control of fluid supply or evacuation	A61B1/015
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DATE: JANUARY 1, 2025

PROJECT RP12362

A61B1/127

References

Limiting references

Replace: The existing Limiting references table with the following updated table.

Means for preventing fogging of dentist's mirrors	A61B1/253
---	---------------------------

A61B1/24

References

Delete: The entire Limiting references section.

Informative references

Replace: The existing Informative references table with the following updated table.

Light-based diagnosis of oral or dental tissue	A61B5/0088
Tongue depressors per se	A61B13/00
Instruments for opening or keeping open the mouth combined with saliva removers	A61C17/10
Mouth openers for animals	A61D15/00

A61B3/00

References

Insert: The following new Limiting references section.

Limiting references

This place does not cover:

DATE: JANUARY 1, 2025

PROJECT RP12362

Eye inspection using ultrasonic, sonic or infrasonic waves	A61B8/10
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Informative references

Delete: The following row from the existing Informative references table.

Eye inspection using ultrasonic, sonic or infrasonic waves	A61B8/10
--	--------------------------

Special rules of classification

Replace: The existing Special rules text with the following updated text.

[A61B3/02](#) - [A61B3/09](#) for subjective testing, i.e. with patient feedback and
[A61B3/10](#) - [A61B3/158](#) for objective testing, i.e. without patient feedback.

The breakdown indexing codes and orthogonal indexing codes are to be used for classifying the invention information (in addition to the invention symbols) in case the invention is insufficiently classified by an invention information symbol. They are also to be used for classifying the additional information.

A61B3/103***References******Informative references***

Replace: The following two rows in the existing Informative references table.

Wavefront analyser	A61B3/1015
Eye surgery	A61F9/007

DATE: JANUARY 1, 2025

PROJECT RP12362

A61B3/107

Definition statement

Replace: The existing Definition statement with the following updated statement.

Measurement of corneal topography, e.g. by projecting a light pattern (moiré, placido rings) on the cornea;

Examination of limbus.

References

Informative references

Replace: The following two rows in the existing Informative references table.

Wavefront analyser	A61B3/1015
Eye surgery	A61F9/007

A61B3/117

Definition statement

Insert: Periods at the end of each line of the existing Definition statement, so that the updated statement appears as follows.

Examination of the anterior chamber: Space between the cornea and the iris.

Examination of the posterior chamber: Iris, ciliary body, lens.

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Examination of the cornea	A61B3/107
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A61B3/14

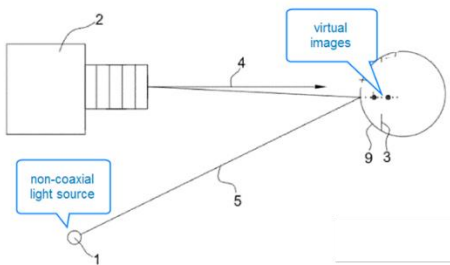
Definition statement

Replace: The existing Definition statement with the following updated statement.

Means for focusing an eye image detector:

- Adaptive optics;
- Camera adapters;
- Focusing features;
- Eye spectrometry; or
- Evaluation of eye-detector distance.

Illustrative example of subject matter classified in this place:



Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Apparatus or arrangements for taking photographs per se	G03B
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DATE: JANUARY 1, 2025

PROJECT RP12362

A61B5/0033

References

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Image data processing or generation	G06T
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A61B5/0059

Definition statement

Replace: The existing Definition statement with the following updated statement.

Testing or evaluating the body, parts of the body or body tissues by applying light and measuring the change in light characteristics caused by the interaction of the light with the body or tissue. Light includes near infrared (NIR), visible or ultraviolet (UV) spectra.

References

Limiting references

Replace: The existing Limiting references table with the following updated table.

Photoacoustic or acousto-optic imaging	A61B5/0093
Optical measurement of heart rate	A61B5/02416
Optical measurement of blood flow	A61B5/0261
Optical measurement of analytes	A61B5/1455

Informative references

Replace: The misspelled “measurment” in the final row of the existing Informative references table with the correct spelling, so that the updated row appears as follows.

Optical measurement in general	G01N21/00
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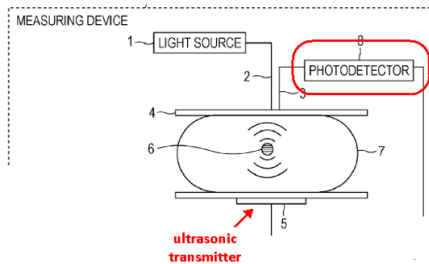
A61B5/0097

Definition statement

Replace: The existing Definition statement with the following updated text and image.

Apply acoustic (e.g. ultrasonic) energy, detect resulting light emission.

Illustrative example of subject matter classified in this place:



Insert: The following new Informative references section.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Constructional details for analysing materials using opto-acoustic interaction, e.g. acousto-optic effect	G01N29/2418
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DATE: JANUARY 1, 2025

PROJECT RP12362

Acousto-optical imaging in general	G01S15/8965
------------------------------------	-----------------------------

A61B5/0205**Special rules of classification**

Replace: The existing Special rules text with the following updated text.

Additional information should be given for specific parameters to show the combination of physiological parameters measured, e.g. [A61B5/024](#), [A61B5/0816](#) and [A61B5/14532](#).

A61B5/021**References**

Delete: The entire Limiting references section.

Informative references

Replace: The existing Informative references table with the following updated table.

Detecting, measuring or recording fluid pressure within the body other than blood pressure	A61B5/03
Means for maintaining contact with the body by monitoring or controlling sensor contact pressure	A61B5/6843
Details of pressure sensors specially adapted for sensing pressure in vivo	A61B2562/00
Measuring heartbeat characteristics, e.g. blood pressure modulation, during the administration of therapy	A61M2230/04
Measuring blood pressure during the administration of therapy	A61M2230/30
Heart stimulators controlled by a blood pressure signal	A61N1/36564
Measuring heartbeat characteristics, e.g. blood pressure modulation, of a user of sporting apparatus	A63B2230/04
Measuring blood pressure of a user of sporting apparatus	A63B2230/30
Measuring fluid pressure by mechanical pressure-sensitive elements in general	G01L7/00

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

Measuring fluid pressure by electric or magnetic pressure-sensitive elements in general	G01L9/00
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Delete: The entire Special rules section.

A61B5/022

Delete: The entire Limiting references section.

A61B5/024

References

Delete: The entire Limiting references section.

Informative references

Insert: The following four new rows into the existing Informative references table.

Evaluating a cardiovascular condition not otherwise provided for, e.g. pulse waveform shape analysis	A61B5/02
Simultaneously evaluating both cardiovascular conditions and different types of body conditions	A61B5/0205
Measuring pressure in heart or blood vessels	A61B5/021
Ballistocardiography [BCG]	A61B5/1102

A61B5/029

References

Delete: The entire Limiting references section.

DATE: JANUARY 1, 2025

PROJECT RP12362

Informative references

Replace: The existing Informative references table with the following updated table.

Heart stimulators controlled by a blood flow signal	A61N1/36571
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A61B5/03**References*****Limiting references***

Delete: The following row from the existing Limiting references table.

Measuring fluid pressure by electric or magnetic pressure-sensitive elements in general	G01L9/00
---	--------------------------

Informative references

Replace: The existing Informative references table with the following updated table.
Please note the existing row has an edit removing the hyphen in "in-vivo".

Measuring blood pressure	A61B5/021
Details of pressure sensors specially adapted for in vivo measurements	A61B2562/0247
Measuring fluid pressure by electric or magnetic pressure sensitive elements in general	G01L9/00

A61B5/05**Definition statement**

Replace: The existing Definition statement with the following updated statement.
The image has not been modified.

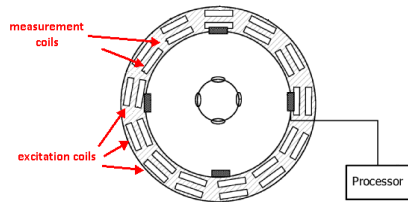
DATE: JANUARY 1, 2025

PROJECT RP12362

Measurements carried out while applying a magnetic field, an electric field or an electromagnetic field, e.g.:

- Magnetic induction tomography; or
- Measurements of microwaves modified by parts of the body.

Illustrative example of subject matter classified in this place:



The Figure illustrates measurement coils.

References

Limiting references

Delete: The following row in the existing Limiting references table.

Impedance plethysmography	A61B5/0295
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Informative references

Replace: The existing Informative references table with the following updated table.

Features or image-related aspects of imaging apparatus	A61B5/0033
Impedance plethysmography	A61B5/0295

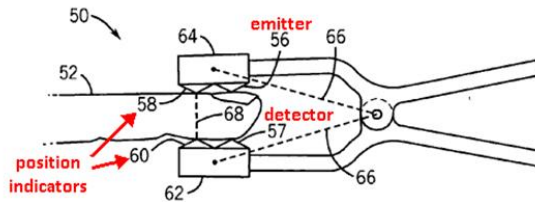
A61B5/06

Definition statement

Replace: The existing Definition statement with the following updated text and image.

Position sensors on a diagnostic device to detect relative positions of different components.

Illustrative example of subject matter classified in this place:



The Figure illustrates sensor (50) configured to provide position data for the emitter (56) and detector (57). Sensor (50) comprises a sensor body that includes the emitter (56), detector (57) and one or more position indicators (58, 60).

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Instruments for removing foreign bodies	A61B17/50
Surgical navigation systems; Devices for tracking or guiding surgical instruments, e.g. for frameless stereotaxis	A61B34/20
Surgical systems for stereotaxic surgery, e.g. frame-based stereotaxis	A61B90/10

Glossary of terms

Replace: The existing Glossary of terms table with the following updated table.

foreign body	tissue or material which does not belong to or desired within the patient body by nature, e.g. tumour, retained metal, implant, diagnostic device
--------------	---

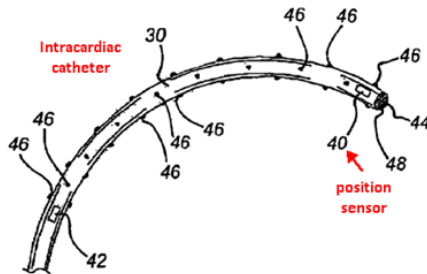
A61B5/065

Definition statement

Replace: The existing Definition statement with the following updated statement.

The diagnostic device is provided with means for detecting its own position within the body.

Illustrative example of subject matter classified in this place:



The Figure illustrates position sensors which detect positions relative to their own reference frame, e.g., gyroscopes, accelerometers.

Insert: The following new Informative references section.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Surgical navigation systems using accelerometer or inertia sensors	A61B2034/2048
Surgical navigation systems using mechanical position encoders	A61B2034/2059
Surgical navigation systems using shape-sensors, e.g. fibre shape sensors with Bragg gratings	A61B2034/2061
Sensors for guiding a catheter or medical tube	A61M2025/0166

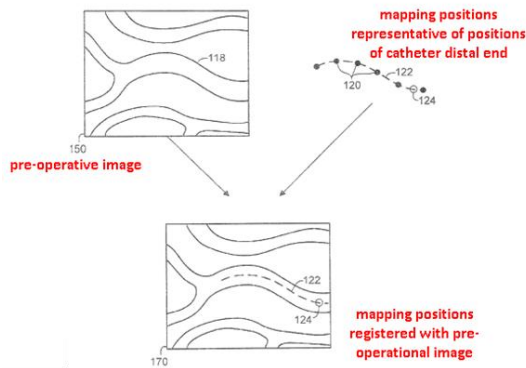
A61B5/066

Definition statement

Replace: The existing Definition statement with the following updated text and image.

Registration of pre-operative images with detected positions of a diagnostic device, e.g. using shape-sensing or pattern matching.

Illustrative example of subject matter classified in this place:



References

Delete: The entire Limiting references section.

DATE: JANUARY 1, 2025

PROJECT RP12362

Informative references

Replace: The existing Informative references table with the following updated table.

Surgical navigation systems; Devices for tracking or guiding surgical instruments, e.g. for frameless stereotaxis	A61B34/20
Image-guided surgery systems	A61B90/37
Visualisation of invasive instruments using MRI	G01R33/285

A61B5/07

Definition statement

Replace: The existing Definition statement with the following updated statement.

Wireless data transmission between diagnostic device within the body, e.g. implanted or ingested and external monitor.

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Endoscopes for imaging	A61B1/041
Transmission of measured data from implanted circuitry	A61B5/0031

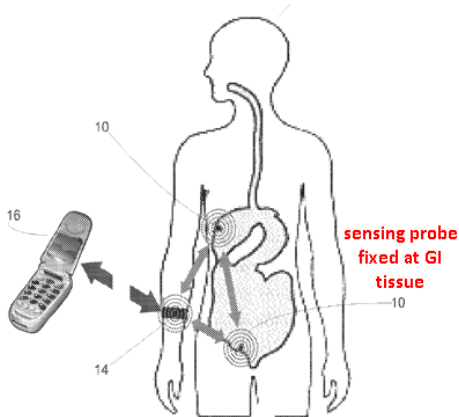
A61B5/076

Definition statement

Replace: The existing Definition statement with the following updated statement.
The image has not been modified.

Implanted diagnostic devices that are attached or anchored to the internal body tissue so that movement of the device from the place of attachment does not occur.

Illustrative example of subject matter classified in this place:



The Figure illustrates the use of clips, sensor (10) may be held at a fixed position in the GI tract. Device (10) uses a wireless communication protocol to transmit data to monitor (14).

References

Informative references

Replace: The existing Informative references table with the following updated table.

Implants for transcutaneous transmission	A61B5/0031
Evaluation of respiratory rate in general	A61B5/08
Implantable neurostimulators for stimulating central or peripheral nerve system	A61N1/3605

DATE: JANUARY 1, 2025

PROJECT RP12362

Implanted stimulators	A61N1/362
Arrangements in connection with the implantation of stimulators	A61N1/372

A61B5/08

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Simultaneously evaluating both cardiovascular conditions and different types of body conditions	A61B5/0205
---	----------------------------

Glossary of terms

Replace: The initial capital letters of each table cell with lowercase, so that the updated Glossary of terms table appears as follows.

mechanical impedance of respiratory organs	ratio of the measured air pressure and air flow at the mouth of the patient
electrical impedance of respiratory organs	ratio of voltage applied to respiratory organs and current flow

A61B5/0806

Definition statement

Replace: The existing Definition statement with the following updated statement.

- Evaluating volume changes due to respiration, e.g.:
- by measuring changes of spatial dimensions; or

- by measuring pressure changes in a closed chamber.

Illustrative examples of subject matter classified in this place:

1.

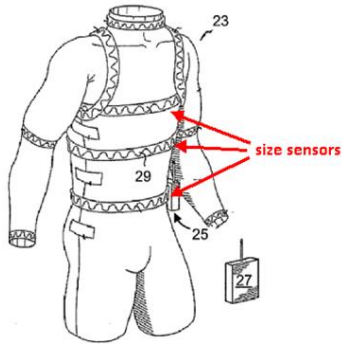


Figure 1 illustrates an example of measuring changes of spatial dimensions.

2.

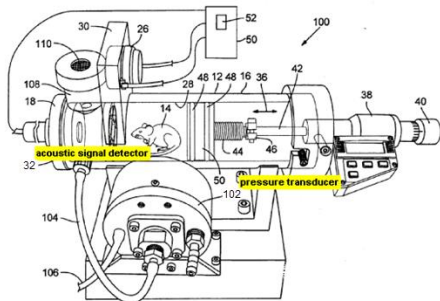


Figure 2 illustrates an example of measuring pressure changes in a closed chamber.

References

Informative references

Insert: The following three new rows to the existing Informative references table.

Impedance plethysmography for measuring blood flow	A61B5/0295
Impedance plethysmography for diagnosis in general	A61B5/0535
Measuring volume of body or parts thereof	A61B5/1073

A61B5/0813

Definition statement

Replace: The existing Definition statement with the following updated statement.

Measurement of pulmonary parameters by tracers, e.g.:

- Evaluation of tracer quantity absorbed by the lungs; or
- Inhalators for tracers to be detected by imaging devices, e.g. MRI.

Illustrative examples of subject matter classified in this place:

1.

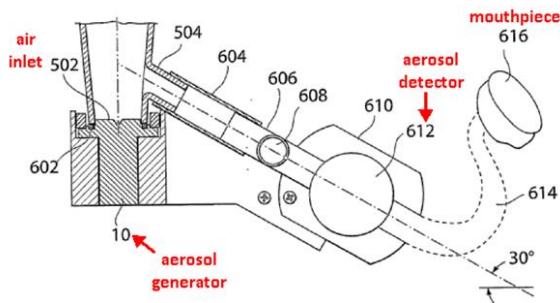


Figure 1 illustrates an example of an evaluation of tracer quantity absorbed by the lungs.

2.

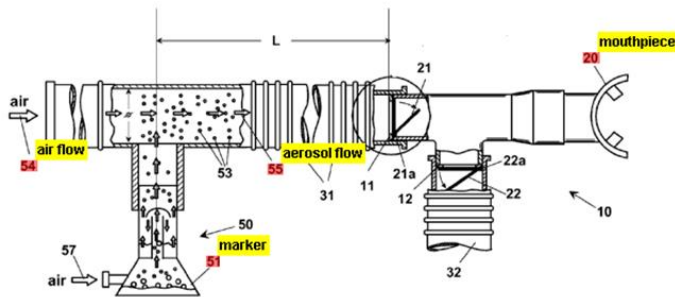


Figure 2 illustrates an example of inhalators for tracers to be detected by imaging devices, e.g. MRI.

References

Delete: The entire Limiting references section.

Informative references

Replace: The existing Informative references table with the following updated table.

Breath analysis, i.e. determining chemical composition of exhaled breath	A61B5/082
Breath test measuring rate of metabolism	A61B5/083

Glossary of terms

Replace: The initial capital letters of each table cell with lowercase, so that the updated Glossary of terms table appears as follows.

tracer	composition, e.g. aerosol, which is mixed with inhaled air and detected after exhalation
--------	--

A61B5/0826

Definition statement

Replace: The existing Definition statement with the following updated statement.

Detection of all types of apnoea events, e.g. cessation of breathing (apnoea), shallow breathing (hypopnea), fast deep breathing (hyperpnoea), Cheyne-Stokes respiration etc.

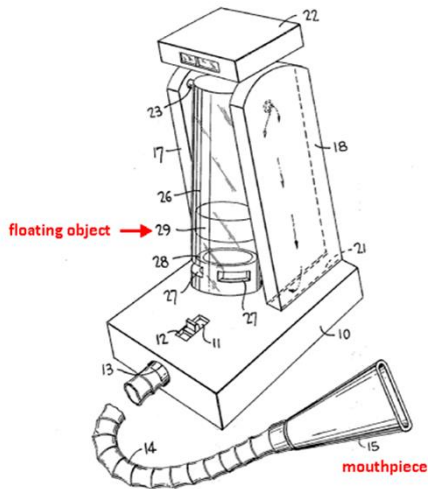
A61B5/0875

Definition statement

Replace: The existing Definition statement with the following updated statement.

E.g. for indicating flow level for breath training.

Illustrative example of subject matter classified in this place:



The Figure illustrates how object (29) is raised in tube (26) according to exhalation effort of the patient.

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Flow meters adapted to indicate specifically the maximum value
--

A61B5/087

DATE: JANUARY 1, 2025

PROJECT RP12362

A61B5/103

Definition statement

Replace: The existing Definition statement with the following updated statement.

Detecting spatial properties of the human or animal body, e.g. lengths, areas, volumes, angles, velocities, accelerations or weights.

References

Limiting references

Replace: The existing Limiting references table with the following updated table.

Measuring instruments specially adapted for dentistry	A61C19/04
---	---------------------------

Informative references

Replace: The existing Informative references table with the following updated table.

Measuring devices for evaluating the respiratory organs	A61B5/08
Measuring aids for tailors	A41H1/00
Analysis of geometric features (lengths, area, volume) from images	G06T7/60

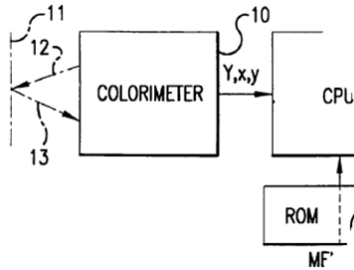
A61B5/1032

Definition statement

Replace: The existing Definition statement with the following updated statement.

Colorimetry, e.g. to detect face flush, for medical diagnosis.

Illustrative example of subject matter classified in this place:



A61B5/11

Definition statement

Replace: The existing Definition statement with the following updated statement.

Measurement of movement includes the determination of any change in position or orientation. It is not mandatory that a velocity or acceleration is measured.

References

Limiting references

Delete: The following row from the existing Limiting references table.

Detecting, measuring or recording pulse rate or heart rate	A61B5/02 , A61B5/024
--	--

Informative references

Replace: The existing Informative references table with the following updated table.

Measuring eye movement, e.g. using eye trackers	A61B3/113
Evaluating the cardiovascular system, e.g. pulse, heart rate, blood pressure, blood flow	A61B5/02
Plethysmography	A61B5/0535
Measuring movement of foreign bodies, e.g. tracking of catheters	A61B5/06
Detecting, measuring or recording devices for evaluating the respiratory organs by whole-body plethysmography	A61B5/0806

DATE: JANUARY 1, 2025

PROJECT RP12362

Detecting, measuring or recording respiratory frequency	A61B5/0816
Testing reaction times	A61B5/162
Ergometry or measuring muscular strength	A61B5/22
Bioelectric electrodes for electrooculography [EOG]: for electroretinography [ERG]	A61B5/297
Pleximeters	A61B9/00
Surgical navigation systems; Devices for tracking or guiding surgical instruments, e.g. for frameless stereotaxis	A61B34/20
Measuring movement in general	G01
Measuring length, thickness or similar linear dimensions; Measuring angles; Measuring areas; Measuring irregularities of surfaces or contours	G01B
Measuring distances, levels or bearings; Surveying; Navigation; Gyroscopic instruments; Photogrammetry or videogrammetry	G01C
Measuring linear or angular speed, acceleration, deceleration, or shock; Indicating presence, absence, or direction, of movement	G01P

Insert: The following new Special rules section.

Special rules of classification

Group [A61B5/11](#) covers diagnosis based on body movements and parts thereof, e.g. head or hand tremor or mobility of a limb, including ballistography [BSG], e.g. ballistocardiography [BCG]. For BSG, allocation in group [A61B5/11](#) should be considered in combination with the body system under test (e.g. cardiovascular system [A61B5/02](#) or respiratory system [A61B5/08](#)). Group [A61B5/11](#) does not cover direct measurement of blood vessel pulsatile movements, of which is considered cardiovascular testing for [A61B5/02](#) (e.g. photoplethysmography [PPG] of blood vessels).

A61B5/1107

References

Informative references

Insert: The following new row in the existing Informative references table.

Detecting skeletal, cartilage or muscle noise, e.g. acoustic myograms	A61B7/006
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DATE: JANUARY 1, 2025

PROJECT RP12362

A61B5/145**Definition statement**

Replace: The existing Definition statement with the following updated statement.

Apparatus for detecting, measuring or recording characteristics of blood, body fluids or tissues in vivo. Determining chemical characteristics, e.g. measuring the concentration of an analyte. Determining constituents of blood or body fluids, e.g. haematocrit. The measurement is performed on the body, i.e. in vivo, or immediately after a sample of body fluid has been obtained, e.g. by lancet.

References**Limiting references**

Delete: The following five rows from the existing Limiting references table (leaving only the row beginning with “Non-radiation detecting...”).

Detecting, measuring or recording for diagnosis using light, e.g. detecting cancer, fatty tissue	A61B5/0059
Measuring blood pressure or blood flow	A61B5/02
Investigating or analysing materials by determining their chemical or physical properties in general	G01N
Investigating or analysing biological material in vitro, physical analysis	G01N33/483
Chemical analysis of biological material	G01N33/50

Informative references

Replace: The existing Informative references table with the following updated table.

Measuring for diagnostic purposes using light, e.g. detecting cancer, fatty tissue	A61B5/0059
Cardiovascular evaluation, e.g. blood pressure, blood flow, heart rate	A61B5/02
Measuring blood composition characteristics of a patient undergoing therapy, e.g. for controlling the administration of therapy	A61M2230/20
Heart stimulators controlled by a blood chemical signal	A61N1/36557

DATE: JANUARY 1, 2025

PROJECT RP12362

Measuring blood composition characteristics of a user of sporting apparatus	A63B2230/20
Investigating or analysing materials by determining their chemical or physical properties in general	G01N
Investigating or analysing biological material in vitro, physical analysis	G01N33/483
Chemical analysis of biological material	G01N33/50

Delete: The entire Special rules section.

A61B5/14542

References

Informative references

Delete: The symbols beginning with “K” in this existing Informative references table, so that the updated table appears as follows.

Measuring blood gases of a patient undergoing therapy, e.g. for controlling the administration of therapy	A61M2230/202
Measuring blood gases of a user of sports apparatus	A63B2230/207

A61B5/1455

Definition statement

Replace: The hyphenated word “in-vivo” with two words “in vivo” in the existing Definition statement, so that the updated statement appears as follows.

Apparatus for detecting, measuring or recording chemical characteristics of blood, body fluids or tissue using optical sensors, where the measurement is made in vivo or on a blood or fluid sample immediately after sampling, e.g. measurement is made immediately after sampling by lancet.

DATE: JANUARY 1, 2025

PROJECT RP12362

References

Delete: The entire Limiting references section.

Informative references

Insert: The following new row into the existing Informative references table.

Investigating or analysing materials by the use of optical means	G01N21/00
--	-----------

A61B5/14556

Definition statement

Replace: The misspelled “fluorescence” with “fluorescence”, so that the updated statement appears as follows.

Pulse oximetry using measured change in the fluorescence of light. Includes the use of fluorescent agents.

References

Limiting references

Delete: The following row from the existing Limiting references table.

Investigating or analysing materials by the use of light, optically excited fluorescence	G01N21/64
--	-----------

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Investigating or analysing materials by the use of light, optically excited fluorescence	G01N21/64
--	-----------

DATE: JANUARY 1, 2025

PROJECT RP12362

A61B5/14557

References

Delete: The entire Limiting references section.

Informative references

Insert: The following new row into the existing Informative references table.

Investigating or analysing materials by the use of optical means, flow through cuvettes	G01N21/05
---	-----------

A61B5/14558

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Investigation or analysing materials by the use of optical means, using polarisation-affecting properties	G01N21/21
---	-----------

A61B5/1459

References

Delete: The entire Limiting references section.

DATE: JANUARY 1, 2025

PROJECT RP12362

Informative references

Replace: The existing Informative references table with the following updated table.

Using optical sensors specially adapted for foetal tissue	A61B5/1464
Constructional details of invasive sensing devices	A61B5/6847

A61B5/1468**Definition statement**

Replace: The hyphenated word “in-vivo” with “in vivo” in the existing Definition statement, so that the updated statement appears as follows.

Apparatus for detecting, measuring or recording chemical characteristics of blood, body fluids or tissue using chemical or electrochemical sensors, where the measurement is made in vivo or on a blood or fluid sample immediately after sampling, e.g. sampling by lancet. Includes apparatus for measuring in an external fluid line, e.g. measurement cassette connected to the patient's blood circulation.

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Investigating or analysing biological material in vitro by using electrochemistry	G01N33/48707
---	------------------------------

DATE: JANUARY 1, 2025

PROJECT RP12362

A61B5/1473

References

Delete: The entire Limiting references section.

Informative references

Delete: The dash and second symbol in the right column, so that the updated Informative references table appears as follows.

Constructional details of invasive sensing devices	A61B5/6847
--	----------------------------

A61B5/1482

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Using optical methods specially adapted for foetal tissue	A61B5/1464
---	----------------------------

A61B5/1486

References

Delete: The entire Limiting references section.

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Measuring or testing processing involving enzymes, enzyme electrodes	C12Q1/001
Investigating or analysing biological material in vitro by using electrochemistry	G01N27/3271

A61B5/18

References

Delete: The entire Limiting references section.

Informative references

Replace: The existing Informative references table with the following updated table.

Safety devices for propulsion-unit control responsive to incapacity of driver	B60K28/06
Road vehicle drive control related to drivers or passengers, e.g. incapacitation, sleep	B60W40/08
Alarms responsive to an undesired or abnormal condition indicating sleep, e.g. anti-dozing alarms	G08B21/06

A61B5/22

References

Delete: The entire Limiting references section.

DATE: JANUARY 1, 2025

PROJECT RP12362

Informative referencesInsert: The following new row into the existing Informative references table.

Measuring contraction of parts of the body, e.g. organ, muscle	A61B5/1107
--	----------------------------

A61B5/369**References**Delete: The entire Limiting references section.***Informative references***Replace: The existing Informative references table with the following updated table.

Devices for psychotechnics, e.g. for determining the psychological state	A61B5/16
Evaluating the central nervous system for diagnosis	A61B5/4076
Devices or methods to cause a change in the state of consciousness	A61M21/00
Evaluating the central nervous system	A61M2230/10
Measuring EEG of a user of sporting apparatus	A63B2230/10
Input arrangements for computers based on nervous system activity, e.g. brain machine interfaces using EEG	G06F3/015
Pattern recognition in time domain, e.g. time-series data	G06F2123/02

A61B5/40**References*****Limiting references***Replace: The existing Limiting references table with the following updated table.

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

Evaluation of sleep	A61B5/4806
Evaluation of level or depth of anaesthesia	A61B5/4821
Evaluation of touch or pain perception	A61B5/4824

A61B5/4058

References

Delete: The entire Limiting references section.

Informative references

Replace: The existing Informative references table with the following updated table.

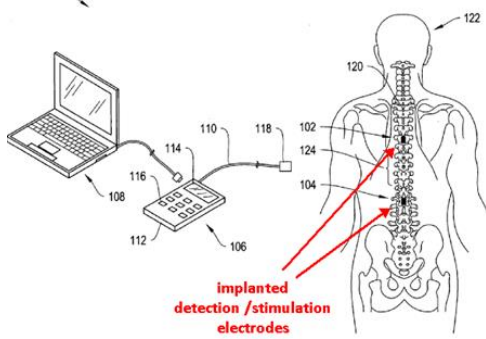
Measuring blood flow with MRI	A61B5/0263
Electroencephalography [EEG]	A61B5/369
Functional imaging of brain activation	G01R33/4806

A61B5/407

Definition statement

Replace: The existing Definition statement with the following updated statement.

Illustrative example of subject matter classified in this place:



A61B5/4076

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Determining level of anaesthesia	A61B5/4821
Determining pain perception	A61B5/4824

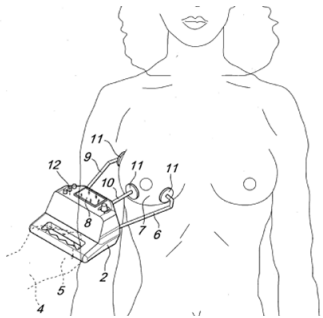
A61B5/4312

Definition statement

Replace: The existing Definition statement with the following updated statement.

All types of apparatus and methods for evaluating the breasts, including measurement of breast size and diagnosis of breast disorders, e.g. by detecting properties of the breasts.

Illustrative example of subject matter classified in this place:



DATE: JANUARY 1, 2025

PROJECT RP12362

References***Limiting references***

Delete: The following two rows from the existing Limiting references table.

X-ray mammography	A61B6/502 , A61B6/0435
Ultrasound mammography	A61B8/0825

A61B5/4806**References*****Limiting references***

Delete: The period at the end of the symbol, so that the updated Limiting references table appears as follows.

Determining level or depth of anaesthesia	A61B5/4821
---	----------------------------

Informative references

Delete: The period at the end of the symbol, so that the updated Informative references table appears as follows.

Devices for inducing sleep	A61M21/02
----------------------------	---------------------------

A61B5/4821**Definition statement**

Replace: The existing Definition statement with the following updated statement.

Determining, detecting or monitoring the level of anaesthesia by measuring a physiological parameter, e.g. EEG, EMG, etc.

DATE: JANUARY 1, 2025

PROJECT RP12362

References

Limiting references

Replace: The existing Limiting references table with the following updated table. Note that in addition to the two deleted rows, an “s” has been added to “asses”.

Measuring movement of the entire body or parts thereof to assess neuromuscular blockade	A61B5/1106
---	----------------------------

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Electric apparatus for detecting reflex action	A61B9/005
Introducing anaesthetics	A61M

[A61B5/4854](#)

Definition statement

Replace: The existing Definition statement with the following updated statement.

Includes, e.g. measurement or analysis of physiological parameter, e.g. pulse, according to alternative theories of medicine that include non-orthodox, homeopathy and pseudoscience theories.

References

Delete: The entire Limiting references section.

Informative references

Insert: The following new row into the existing Informative references table.

Measuring skin impedance specially adapted for acupuncture	A61B5/0532
--	----------------------------

A61B5/4857

Insert: The following new Definition statement.

Definition statement

This place covers:

Examples of biorhythm include sleep patterns or menstrual cycle.

Insert: The following new Glossary of terms section.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

biorhythm	cyclically recurring pattern of physiological states
diurnal	night and day
circadian	24 hours
ultradian	less than 24 hours
infradian/circalunar	1 month
circannual	1 year

DATE: JANUARY 1, 2025

PROJECT RP12362

A61B5/4866

References

Limiting references

Delete: The period at the end of the symbol, so that the updated Limiting references table appears as follows.

Measuring rate of metabolism by using breath test	A61B5/083
---	---------------------------

A61B5/4869

Delete: The entire Definition statement.

Insert: The following new Relationships section.

Relationships with other classification places

Analysis of constituents, e.g. analytes, or particular tissue type is not considered as types of body compositions for this subgroup.

Evaluating a particular tissue type, e.g. for detection of cancer, is classified in subgroups [A61B5/0088](#), [A61B5/0091](#), [A61B5/02007](#), [A61B5/40](#) - [A61B5/45](#). For example, the evaluation of bone is classified in group [A61B5/4504](#); the evaluation of skin is classified in group [A61B5/441](#).

Determination of blood, body fluid or tissue analytes, or blood constituents, e.g. red blood cells, is classified in group [A61B5/145](#).

References

Limiting references

Replace: The existing Limiting references table with the following updated table.

Measuring body composition by impedance	A61B5/0537
---	----------------------------

DATE: JANUARY 1, 2025

PROJECT RP12362

Informative references

Delete: The following two rows of the existing Informative references table.

Apparatus for radiation diagnosis, clinical applications	A61B6/50
Detecting organ movements or changes, e.g. tumours, cysts, swellings	A61B8/08

Insert: The following new Glossary of terms section.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

body composition	amount of muscle, water, bones, fat, and other tissue type within a body, typically given as a percentage (e.g. percentage of total body fat).
------------------	--

A61B5/4872

Definition statement

Replace: The existing Definition statement with the following updated statement.

Apparatus and methods for determining the proportion of fat in the body. Includes determining the ratio of fat to fat-free mass, e.g. using optical measurements, callipers, flotation tanks.

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

DATE: JANUARY 1, 2025

PROJECT RP12362

Skin gauging	A61B5/0053
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A61B5/68

References

Delete: The entire Limiting references section.

Informative references

Replace: The existing Informative references table with the following updated table.

Sensors provided on surgical tools for measuring tool-related quantities, e.g. contact between tool and tissue, tool penetration length	A61B90/06
Foot-measuring devices	A43D1/02
Measuring instruments for implanting a prosthesis	A61F2/4657
Attachments on the body, e.g. for measuring	A63B69/3608
Car sensors for detecting driver's condition	B60K28/00
Computers with physiological sensor to allow interaction with the user	G06F3/011
Pointing devices displaced or positioned by the use	G06F3/033
Interaction techniques based on graphical user interfaces [GUI]	G06F3/048

A61B5/6805

Definition statement

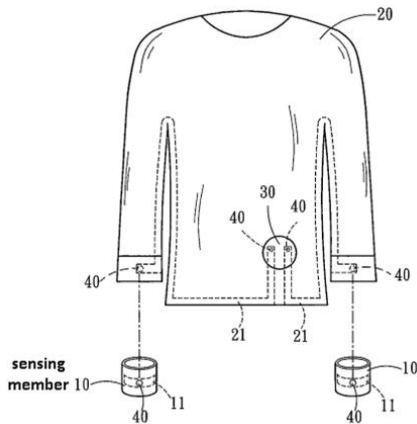
Replace: The existing Definition statement with the following updated statement.

Sensor is mounted in a garment resembling a vest, e.g. shirt or gown.

Illustrative example of subject matter classified in this place:

DATE: JANUARY 1, 2025

PROJECT RP12362



Delete: The entire Informative references section.

A61B5/6832

References

Limiting references

Replace: The existing Limiting references table with the following updated table.

Bioelectric electrodes using conductive adhesive means, e.g. gels	A61B5/259
---	---------------------------

A61B6/00

Definition statement

Replace: The existing Definition statement with the following updated statement.

Diagnostic equipment or methods involving the use of ionising radiation, e.g. X-ray or gamma ray. Devices for radiation diagnosis generally consist of complex electro-mechanical arrangements of radiation source and detection units, controlled following a particular acquisition technique to obtain medical diagnostic data relating to a patient's body part. A complete characterization of these devices therefore requires the identification of both constructional and operational aspects according to the following rules.

Relationships with other classification places

Replace: The existing Relationships text with the following updated text.

Several subclasses, groups and subgroups provide for the different components or functional aspects constituting the devices for radiation diagnosis. It should be emphasized that documents describing these components should be classified in [A61B6/00](#) only if they disclose a radiation diagnostic device and the link between said components or functional aspects and the radiation diagnostic device or clinical application is not trivial.

As an example, a document describing constructional details of a PET scanner should be classified in subgroup [A61B6/037](#) and the corresponding group for said constructional details (a subgroup of [A61B6/44](#)). A document describing particular details of a radiation detector should be classified in the corresponding group of [G01T1/00](#), even if a clinical application of said detector is mentioned. However, if e.g. details of the arrangement of said detector in a scanner for said particular clinical application are disclosed, then it should also be classified in [A61B6/037](#) and in the corresponding subgroup of [A61B6/50](#). Other structural details of radiation devices can be found in groups [H01J35/00](#) (X-ray tubes), [G21K1/02](#) (collimators), [A61K49/04](#) (X-ray contrast preparations) or [A61B90/39](#) (radio-opaque markers).

The same principle applies to other neighbouring fields such as image processing [G06T](#). A document disclosing an algorithm for image enhancement should be classified under the corresponding subclass of [G06T](#), even if the document mentions that the images are X-ray images.

However, if the algorithm requires particular constructional or functional details of the radiation diagnostic device or if there is a non-obvious link to the particular clinical application, then the document should also be classified in the corresponding subgroup of [A61B6/00](#).

On the other hand, classification in group [A61B6/00](#) should only be given if there is only a mention of use of an algorithm for image enhancement, but the disclosure deals mainly with details of the radiation diagnostic device.

Devices for radiation diagnosis combined with radiation therapy equipment should be additionally classified in [A61N5/00](#).

Devices for non-ionising diagnosis are covered in groups [A61B5/00](#) (e.g. magnetic or light-based) and [A61B8/00](#) (ultrasound) and corresponding structural and non-diagnostic features are covered in groups [G01R33/48](#) (nuclear magnetic

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

radiation imaging systems), [G01S7/52017](#) - [G01S7/52098](#) (short-range acoustic imaging systems) or [G01S15/8906](#) - [G01S15/8997](#) (short-range acoustic imaging systems and techniques).

Surgical navigation, including image-based, can be found in [A61B34/20](#).

Details of data processing and transmission can be found in subclass [G06T](#) (image processing, generation or enhancement) or groups [G16H30/00](#), [G16H50/00](#) (information and communication technology for imaging and diagnostic data), [G06V40/00](#) (pattern recognition).

Non-medical applications of ionising radiation are covered in groups [G01N23/00](#) (investigation of materials using radiation) and [G01V5/00](#) (detecting hidden objects using radiation).

Diagnostic equipment or methods involving the use of ionising radiation are covered in [A61B6/00](#). Other devices for radiation diagnosis using non-ionising radiation are covered in:

Electric currents or magnetic fields	A61B5/05
Magnetic resonance	A61B5/055
Optical imaging	A61B5/0059
Opto-acoustic imaging	A61B5/0093

References

Limiting references

Delete: The following row from the existing Limiting references table.

Apparatus for taking X-ray photographs	G03B42/02
--	---------------------------

Informative references

Replace: The existing Informative references table with the following updated table.

Diagnosis using light	A61B5/0059
Diagnosis using the opto-acoustic effect	A61B5/0093
Detecting, measuring or recording for diagnosis by means of electric currents or magnetic fields	A61B 5/05
Diagnosis using magnetic resonance imaging	A61B5/055

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

Diagnosis using sonic, infrasonic or ultrasonic waves	A61B8/00
Navigation during surgery	A61B34/20
Radio-opaque markers	A61B90/39
X-ray contrast preparations	A61K49/04
Preparations containing radioactive substances	A61K51/00
Radiation therapy	A61N5/00
Investigation of materials using radiation	G01N23/00
Nuclear Magnetic Resonance imaging systems	G01R33/48
Short-range acoustic imaging systems	G01S7/52017
Short-range acoustic imaging systems and techniques	G01S15/8906
Detectors for X-ray, gamma, etc radiation	G01T1/00
Detecting prohibited goods, e.g. weapons, explosives, hazardous substances, contraband or smuggled objects	G01V5/20
Apparatus for taking X-ray photographs	G03B42/02
X-ray photographic processes	G03C5/16
Image data processing	G06T
Recognition of biometric, human-related or animal-related patterns in image or video data	G06V40/00
Medical informatics	G16H
Techniques for handling particles or ionising radiation; Irradiation devices	G21K
X-ray tubes	H01J35/00
X-ray apparatus or circuits therefor	H05G1/00

Glossary of terms

Replace: The capital letters in the left column of the following two rows in the existing Glossary of terms table, so that the updated rows appear as follows.

raw data	data output from the sensor/detector requiring pre-processing to be used for diagnostic purposes
image data	medical diagnostic data in the form of two- or three-dimensional data sets

A61B6/03

References

Delete: The entire Limiting references section.

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

Informative references

Insert: The following “Echo-tomography” row into the existing Informative references table AND

Delete: The subgroup from the existing “Healthcare informatics...” row, so that the updated row appears as follows.

Echo-tomography	A61B8/14
Healthcare informatics for handling or processing of medical images, e.g. DICOM, PACS	G16H

A61B6/04

References

Delete: The entire Limiting references section.

Informative references

Insert: The following two “Operating...” rows into the existing Informative references table AND

Delete: The subgroups from the existing “Chairs, beds, mattresses” row, so that the updated row appears as follows.

Operating tables	A61G13/00
Operating chairs	A61G15/00
Chairs, beds, mattresses	A47C

A61B6/06

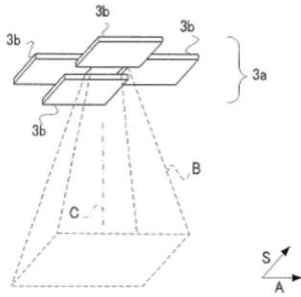
Definition statement

Insert: The line “Illustrative example...” above the figure in the existing Definition statement, so that the full updated statement appears as follows.

Diaphragms specially adapted for particular diagnostic applications, e.g. tomography.

Devices adapted to modify the spatial confinement of the cross-section of the radiation beam, e.g. collimators, situated between the source unit and the patient.

Illustrative example of subject matter classified in this place:



References

Informative references

Replace: The existing “Diaphragms/collimators per se” row in the existing Informative references table with the following updated row.

Use of diaphragms and collimators for handling particles or ionising radiation	G21K1/02
--	--------------------------

A61B7/00

Special rules of classification

Replace: The second bullet point of the existing Special rules text, so that the updated bullet point appears as follows.

- Devices where sound patterns are only displayed and no listening takes place, are classified in groups [A61B7/001](#) - [A61B7/006](#).

DATE: JANUARY 1, 2025

PROJECT RP12362

A61B7/04

References

Informative references

Replace: The existing Informative references table with the following updated table.

Microphones or acoustic transducers therefor	H04R
--	------

A61B8/00

Definition statement

Delete: The word “and/” in the first line of the existing Definition statement, so that the updated statement appears as follows.

Diagnostic equipment or methods which involve the use of ultrasonic, sonic or infrasonic waves.

A complete characterisation of the equipment or method requires the identification of both constructional and operational aspects according to the following rules.

Relationships with other classification places

Replace: The existing Relationships text with the following updated text.

Several subclasses, groups and subgroups provide for the different components or functional aspects constituting the devices for diagnosis using ultrasonic, sonic or infrasonic waves. It should be emphasized that documents describing these components should be classified in group [A61B8/00](#) only if they disclose a device for diagnosis using ultrasonic, sonic or infrasonic waves and the link between said components or functional aspects and the clinical application is not trivial.

Techniques for short-range imaging with ultrasound per se (both devices and methods) are classified in groups [G01S15/8906](#) and [G01S7/52017](#). These techniques should only be classified in group [A61B8/00](#) when the link between the use of a particular technique and a clinical application is not obvious. The fact that the device is a medical diagnostic device is not a sufficient criterion for

DATE: JANUARY 1, 2025

PROJECT RP12362

classifying in group [A61B8/00](#) and not in subclass [G01S](#). As an example, a document disclosing an ultrasonic device adapted to calculate cardiac output using Doppler would be classified in group [A61B8/00](#). If, on the other hand, the document discloses the sequence of pulses and their processing to obtain the Doppler measurements, then it should be classified in groups [G01S15/8906](#) or [G01S7/52017](#), even if the document mentions that the device is a diagnostic device. However, if there is a link between the particular implementation of the Doppler measurements and the clinical application, it should be classified in both groups [A61B8/00](#) and [G01S15/8906](#). Similarly, a modular medical diagnostic device wherein the probe can be exchanged to choose among a set of probes according to several clinical applications would be classified in group [A61B8/00](#). However, a modular medical diagnostic device with exchangeable circuit boards to provide for easier upgrade would be classified in subclass [G01S](#). Only if the choice of a particular board was related to a clinical application should it be classified under [A61B8/00](#).

Other structural details of ultrasound/acoustic devices are classified in groups [B06B1/00](#) (ultrasonic transducers and circuitry per se), [H10N30/00](#) (piezoelectric or electrostrictive devices), [G10K11/00](#) (transmitting, conducting or directing sound), [A61K49/22](#) (ultrasound contrast preparations) or [A61B90/39](#) (ultrasonic markers).

The same principle applies to other neighbouring fields such as, e.g. image processing ([G06T](#)). A document disclosing an algorithm for image enhancement should be classified in the corresponding group of subclass [G06T](#), even if the document mentions that the images are ultrasound images. However, if there is a link between details of the algorithm and a particular clinical application, then the document should also be classified in the corresponding group of subclass [A61B8/00](#). On the other hand, if it is only mentioned that an algorithm for image enhancement is used but the disclosure deals mainly with details of the ultrasonic diagnostic device, then it should only be classified in group [A61B8/00](#).

Devices for performing ultrasound therapy are classified in group [A61N7/00](#).

Devices for diagnosis are classified in groups [A61B5/00](#) (e.g. magnetic or light-based) and [A61B6/00](#) (ionising radiation) and corresponding structural and non-diagnostic features can be found in [G01R33/48](#) (nuclear magnetic radiation imaging systems) and [G01T1/00](#) (detectors for X-ray, gamma, etc radiation).

Surgical navigation, including acoustic or image-based, are classified in group [A61B34/20](#).

Details of data processing and transmission are classified in subclass [G06T](#) (image processing, generation or enhancement), groups [G16H30/00](#) and

DATE: JANUARY 1, 2025

PROJECT RP12362

[G16H50/00](#) (information and communication technology for imaging and diagnostic data), and [G06V40/00](#) (pattern recognition).

Non-medical applications of ultrasound are classified in groups [G01N29/00](#) (investigation of materials using acoustic waves).

References

Informative references

Replace: The existing Informative references table with the following updated table.

Diagnosis using photo-acoustic measurements	A61B5/0095
Diagnosis using acousto-optic measurements	A61B5/0097
Diagnosis using electronic [EMR] or nuclear [NMR] magnetic resonance	A61B5/055
Apparatus and techniques of diagnosis using ionizing radiation	A61B6/00
Stethoscopes and diagnosis by listening to naturally occurring sounds	A61B7/00
Invasive surgical instruments using ultrasound within body cavities for removing obstructions or calculi	A61B17/22
Devices for extracorporeal shock wave lithotripsy, e.g. by using ultrasonic waves	A61B17/225
Ultrasound therapy	A61N7/00
Generating or transmitting mechanical vibrations in general	B06B
Investigating or analysing materials by ultrasonic, sonic or infrasonic waves	G01N29/00
Nuclear Magnetic Resonance imaging systems	G01R33/48
Details of systems according to G01S15/00	G01S7/52
Systems using the reflection or reradiation of acoustic waves, e.g. acoustic imaging	G01S15/00
Short-range imaging using acoustic waves	G01S15/8906
Image data processing or generation, in general	G06T
Image enhancement or restoration	G06T5/00
Image analysis	G06T7/00
Recognition of biometric, human-related or animal-related patterns in image or video detail	G06V40/00
Methods or devices for transmitting, conducting or directing sound in general	G10K11/00
Healthcare informatics	G16H
Piezoelectric devices in general	H01L

DATE: JANUARY 1, 2025

PROJECT RP12362

Piezoelectric or electrostrictive devices in general	H10N30/00
--	---------------------------

Glossary of terms

Replace: The existing Glossary of terms table with the following updated table.

ultrasound transducer	sound generating or receiving element.
probe	combination of at least one ultrasound transducer and its housing.
raw data	data output from the sensor or detector or transducer requiring pre-processing to be used for diagnostic purposes.
diagnostic data	data readable or interpretable by medical personnel, obtained after pre-processing of raw data.
image data	medical diagnostic data in the form of two- or three-dimensional data sets.

A61B8/06

References

Informative references

Replace: The existing Informative references table with the following updated table.

Measuring blood flow in general	A61B5/026
Ultrasonic blood vessels imaging	A61B8/0891
Ultrasonic Doppler imaging	A61B8/488
Measuring volume flow in general	G01F
Measuring the volume flow or mass flow of fluid or fluent solid material by measuring frequency, phase shift or propagation time of electromagnetic or other waves, e.g. using ultrasonic flowmeters	G01F1/66
Devices for measuring pulsing fluid flows	G01F1/72
Measuring speed of fluids in general	G01P5/00

Delete: The entire Special rules section.

DATE: JANUARY 1, 2025

PROJECT RP12362

A61B8/08

Definition statement

Replace: The existing Definition statement with the following updated statement.

Clinical application of the diagnosis device or methods, such as detecting organic movements or changes. A non-exhaustive list of examples of clinical applications includes the localisation or diagnosis of:

- tumours;
- cysts or nodules;
- calculi;
- swelling;
- blood vessels (except for subject matter covered by [A61B8/02](#), [A61B8/04](#) or [A61B 8/06](#));
- tissue interfaces.

References

Limiting references

Insert: The words “pulse or” after “Measuring” into the first row of the existing Limiting references table, so that the updated row appears as follows.

Measuring pulse or heart rate	A61B8/02
-------------------------------	--------------------------

Informative references

Replace: The first row of the existing Informative references table, so that the updated row appears as follows.

Diagnosis by electrical, magnetic, pressure or light sensing means, of particular parts of the body	A61B5/40 - A61B5/48
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A61B8/0875

References

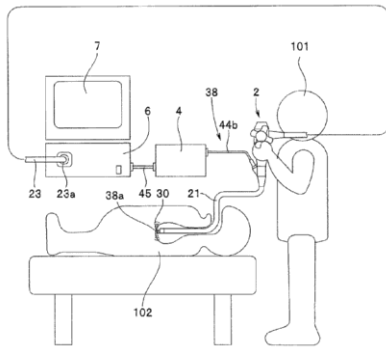
Delete: The entire Limiting references section.

A61B8/12

Definition statement

Replace: The existing Definition statement with the following updated statement.

Illustrative example of subject matter classified in this place:



References

Delete: The entire Limiting references section.

Informative references

Insert: The following two new rows into the existing Informative references table.

Details of catheter construction	A61B8/445
Catheters per se	A61M25/00

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

Delete: The entire Special rules section.

A61B8/13

References

Limiting references

Replace: The existing Limiting references table with the following updated table.

Eye inspection	A61B8/10
Diagnosis using ultrasonic, sonic or infrasonic waves in body cavities or body tracts, e.g. by using catheters	A61B8/12

Informative references

Insert: The following new row into the existing Informative references table.

Acquisition of a 3D volume of data	A61B8/483
------------------------------------	---------------------------

A61B8/52

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Image processing per se	G06T
-------------------------	----------------------

A61B8/5207

Insert: The following new Informative references section.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

2D [Two Dimensional] image generation	G06T11/00
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A61B8/5269

References

Informative references

Insert: The following new row into the existing Informative references table.

Image enhancement or restoration	G06T5/00
----------------------------------	----------

A61B10/00

Definition statement

Replace: The existing Definition statement with the following updated statement.

Instruments or methods for taking body samples for diagnostic purposes.
Examples of such instruments and their uses include, but are not limited to:

- biopsy devices;
- devices for taking cell samples;
- devices for taking fluid samples (except blood samples [A61B5/15](#)); and
- devices to acquire samples for detection of breast cancer.

Other methods or instruments for diagnosis include, but are not limited to:

- for vaccination diagnosis;
- sex determination;

DATE: JANUARY 1, 2025

PROJECT RP12362

- ovulation-period determination; and
- throat striking implements.

References

Limiting references

Replace: The existing Limiting references table with the following updated table.

Devices for taking samples of blood	A61B5/15
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Informative references

Insert: The following six new rows into the existing Informative references table.

Swabs	A61F13/15
Containers for laboratory use	B01L3/00
Containers in general	B65D
Containers for enzymology or microbiology	C12M1/16
Preparing specimens for investigation	G01N1/00
Menstruation tables	G06C3/00

Special rules of classification

Replace: The existing Special rules text with the following updated text.

The breakdown indexing codes and orthogonal indexing codes are to be used for classifying the invention information (in addition to the invention symbols) in case the invention is insufficiently classified by an invention information symbol. They are also to be used for classifying the additional information.

DATE: JANUARY 1, 2025

PROJECT RP12362

A61B10/04

References

Informative references

Insert: The following two new rows into the existing Informative references table.

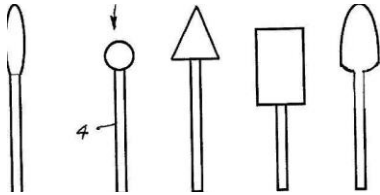
Endoscopes per se	A61B1/00
Catheters per se	A61M25/00

A61B13/00

Definition statement

Replace: The existing Definition statement text with the following updated text. The image has not been modified.

Illustrative example of subject matter classified in this place:



References

Limiting references

Replace: The existing Limiting references table with the following updated table. Note the colon is deleted in the first row.

Stomatoscopes when combined with illuminating and viewing instruments	A61B1/24
Saliva removers with mouth props, tongue guards, tongue depressors or cheek spreaders	A61C17/10

DATE: JANUARY 1, 2025

PROJECT RP12362

A61B16/00

Definition statement

Insert: A period at the end of the existing Definition statement, so that the updated statement appears as follows.

Instruments or appliances used in connection with autopsy.

References

Informative references

Replace: The existing Informative references table with the following updated table.

similar devices for medical purposes, see the relevant groups for such devices, e.g.

Similar devices for surgical purposes	A61B17/00
Preservation of bodies of humans or animals	A01N1/00
Operating tables	A61G13/00
Autopsy tables	A61G13/0027

A61B17/00

References

Limiting references

Replace: The existing Limiting references table with the following updated table.

Surgical instruments, devices or methods for transferring non-mechanical forms of energy to or from the body	A61B18/00
Dental tools	A61C3/00
Eye surgery	A61F9/007
Ear surgery	A61F11/20

DATE: JANUARY 1, 2025

PROJECT RP12362

Informative references

Insert: The following new row into the existing Informative references table.

Implanting tools, for dentistry	A61C8/00
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Special rules of classification

Replace: The first paragraph of the existing Special rules section with the following updated text, so that the whole updated section appears as follows. Please also make sure there is not an extra space in front of the second paragraph; if there is, please delete it.

The use of the CPC indexing codes (2000-series symbols which include both breakdown and orthogonal symbols) for classifying the additional information is mandatory in this field.

The breakdown and the orthogonal symbols of [A61B17/00](#) are also used for documents classified in the main trunk of [A61B18/00](#) to index relevant aspects for which no suitable symbol is available under [A61B18/00](#), [A61B2018/00005](#) or [A61B2218/00](#).

A61B17/02

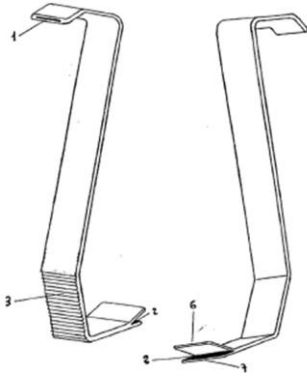
Definition statement

Replace: The existing Definition statement with the following updated text and image.

Illustrative example of subject matter classified in this place:

DATE: JANUARY 1, 2025

PROJECT RP12362



References

Delete: The entire Limiting references section.

Informative references

Insert: The following new row into the existing Informative references table.

Drainage appliances for wounds	A61M27/00
--------------------------------	---------------------------

A61B17/04

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Suture materials	A61L17/00
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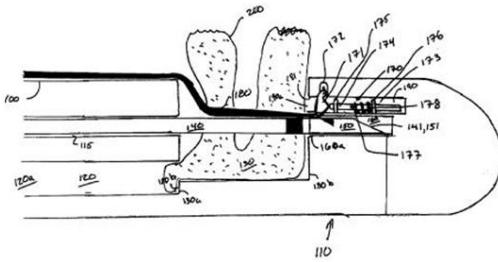
A61B17/0482

Definition statement

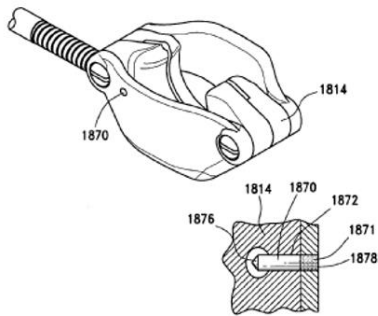
Replace: The existing Definition statement with the following updated text and images.

Illustrative examples of subject matter classified in this place:

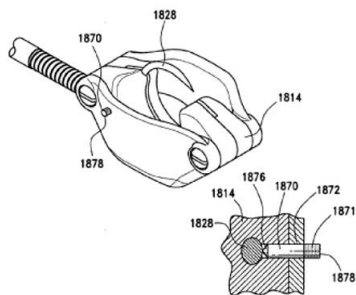
1.



2a.



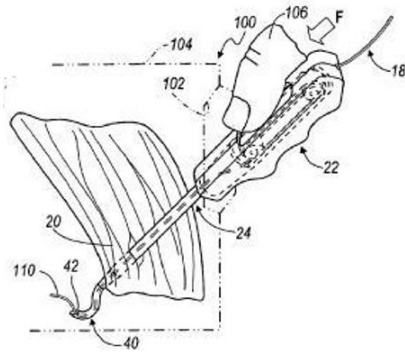
2b.



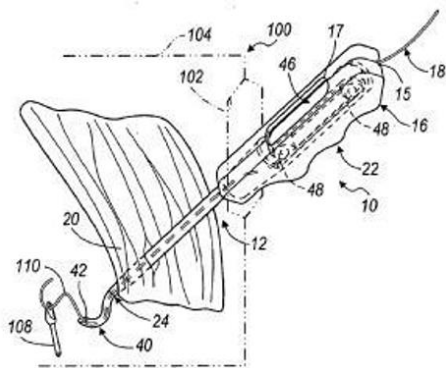
3a.

DATE: JANUARY 1, 2025

PROJECT RP12362



3b.



References

Limiting references

Replace: The second row of the existing Limiting references table, so that the updated row appears as follows.

Guides for puncturing needles	A61B17/3403
-------------------------------	-----------------------------

A61B17/06

Definition statement

Insert: A period at the end of the existing Definition statement, so that the updated statement appears as follows.

Essentially flexible elements.

References

Delete: The entire Limiting references section.

Informative references

Replace: The existing Informative references table with the following updated table.

Surgical staples	A61B17/064
Reinforcement for staple lines	A61B17/07292
Trocars; Puncturing needles	A61B17/34
Nerve needles for teeth	A61C5/40
Needles; Details of needles pertaining to their connection with syringe or hub	A61M5/32
Sewing needles	D05B85/00

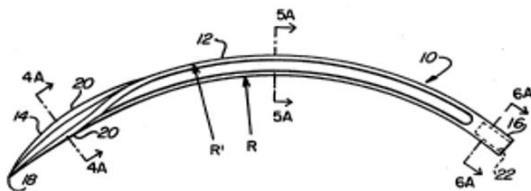
A61B17/06066

Definition statement

Replace: The existing Definition statement with the following updated text and images, so that the updated statement appears as follows.

Illustrative examples of subject matter classified in this place:

1.



2.

DATE: JANUARY 1, 2025

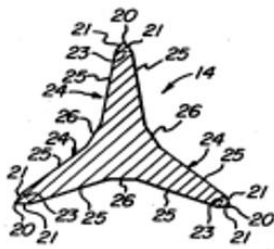
PROJECT RP12362



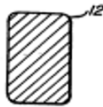
3.



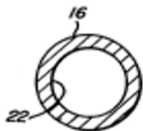
4.



5.



6.



References

Delete: The entire Limiting references section.

Informative references

Insert: The following new seven rows into the existing Informative references table.

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

Proximally pointing needle at distal end of MIS suturing instrument	A61B2017/047
Multiple-needed MIS suturing instruments	A61B2017/0472
Attaching suture to needle	A61B17/06004
Suture placed inside a tubular needle	A61B2017/06052
Double-armed sutures	A61B2017/06057
Puncturing needles	A61B17/34
Hypodermic needles	A61M5/32

[A61B2017/07221](#)

Definition statement

Insert: A period at the end of the existing Definition statement, so that the updated statement appears as follows.

Curved in longitudinal direction or curved in the transversal direction.

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Circular staplers	A61B17/1155
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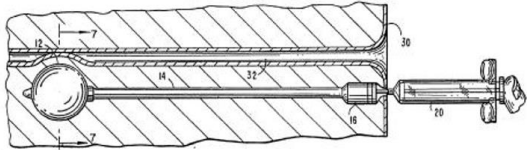
A61B17/12

Definition statement

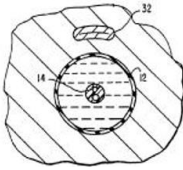
Replace: The existing Definition statement with the following updated text and images.

Illustrative examples of subject matter classified in this place.

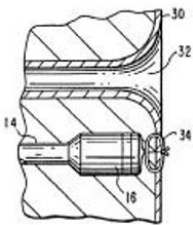
1a.



1b.



1c.

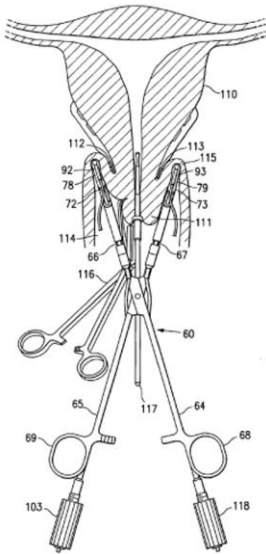


2.

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362



References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Closure means for urethra or rectum or for artificial body openings	A61F2/0004
Closure means, constricting the lumen	A61F2/0031
Filters	A61F2/01
Specially adapted for vas deferens or fallopian tubes	A61F6/20
Transcervical canal	A61F6/206
Materials for ligaturing blood vessels	A61L17/00

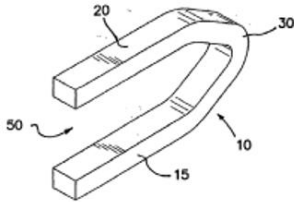
A61B17/122

Definition statement

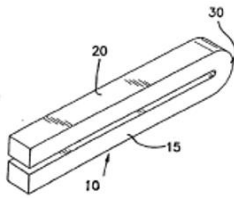
Replace: The existing Definition statement with the following updated text and images.

Illustrative examples of subject matter classified in this place.

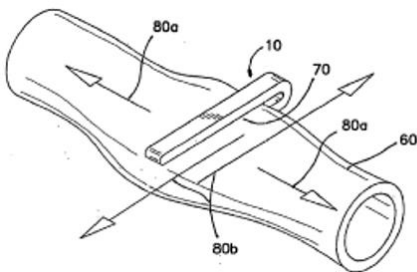
1a.



1b.



2.



References

Informative references

Insert: The following new row into the existing Informative references table.

Gastric bypass	A61F5/0003
----------------	------------

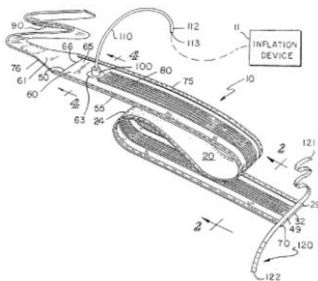
A61B17/135

Definition statement

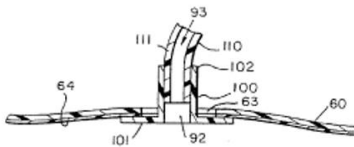
Replace: The existing Definition statement with the following updated text and images.

Illustrative examples of subject matter classified in this place:

1.



2.



References

Delete: The entire Limiting references section.

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

For measuring blood pressure	A61B5/022
Gastric bands, remotely adjustable, using inflatable ports	A61F5/0056
Inflatable pressure pads	A61F5/34

A61B17/16

References

Insert: The following new Limiting references section.

Limiting references

This place does not cover:

Arthroscopic bone cutters	A61B17/320016
---------------------------	-------------------------------

Informative references

Delete: The following row from the existing Informative references table.

Arthroscopic bone cutters	A61B17/320016
---------------------------	-------------------------------

DATE: JANUARY 1, 2025

PROJECT RP12362

A61B17/20

References

Informative references

Replace: The existing Informative references table with the following updated table.

Diagnosis by vaccination other than by injuring the skin	A61B10/0035
Implements for cleaning or washing the skin of surgeons or patients	A61B90/80
Medical syringes, e.g. enemata; Irrigators	A61M3/00
Devices for bringing media into the body in a subcutaneous, intra-vascular or intramuscular way; Accessories therefor, e.g. filling or cleaning devices, arm rests	A61M5/00

A61B17/22

References

Insert: The following new References out of a residual place section.

References out of a residual place

Examples of places in relation to which this place is residual:

Atherectomy devices	A61B17/3207
Dilators	A61M29/00

Informative references

Delete: The following row from the existing Informative references table.

Dilators	A61M29/00
----------	-----------

Delete: The entire Special rules section.

DATE: JANUARY 1, 2025

PROJECT RP12362

A61B17/28

References

Insert: The following new Limiting references section.

Limiting references

This place does not cover:

Biopsy forceps	A61B10/06
Hand-held instruments for holding suture needles or materials	A61B17/0483
Gripping devices in the form of loops or baskets for removing or smashing calculi	A61B17/221
Surgical scissors	A61B17/3201
Obstetrical forceps	A61B17/44

Informative references

Replace: The existing Informative references table with the following updated table.

For inserting intraocular lenses	A61F2/1662
Hand-held gripping tools in general	B25B7/00

A61B17/30

References

Limiting references

Replace: The existing Limiting references table with the following updated table.

Hand-held instruments for holding suture needles of materials	A61B17/0483
---	-------------

DATE: JANUARY 1, 2025

PROJECT RP12362

Informative references

Replace: The existing Informative references table with the following updated table.

Wound clamps	A61B17/08
Means for protection against accident injuries by used needles	A61M5/321
Tools enabling the (needle) cap placement	A61M2005/3215
Hand held gripping tools without pivotal connections in general	B25B9/02

A61B17/32**References****Limiting references**

Replace: The existing Limiting references table with the following updated table.

Suture cutters	A61B17/0467
Implements for ligaturing and cutting	A61B17/122
Surgical instruments for ligaturing or otherwise compressing tubular parts of the body combined with cutting implements	A61B17/12
Specially adapted knives for eye surgery	A61F9/0133

A61B17/320725**References**

Insert: The following new Limiting references section.

Limiting references

This place does not cover:

Athrectomy device with pullback cutting	A61B17/32075
---	--------------

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

Informative references

Replace: The existing Informative references table with the following updated table.

Balloons for spreading elements apart	A61B2017/22061
Balloon catheters having a special balloon surface topography, e.g. pores, protuberances, spikes or grooves	A61M2025/1086
Balloon catheters having balloons for removing solid matters, e.g. by grasping or scraping plaque, thrombus or other matters that obstruct the flow	A61M2025/109

A61B17/34

References

Delete: The entire Limiting references section.

Informative references

Insert: The following new row into the existing Informative references table.

Piercing needles for placement of a catheter or tool in a blood vessel	A61M25/06
--	---------------------------

A61B17/42

References

Limiting references

Delete: The following row from the existing Limiting references table.

Dilators	A61M29/00
----------	---------------------------

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for opening or enlarging the visual field	A61B1/32
Dilators	A61M29/00

A61B17/425

References

Delete: The entire Limiting references section.

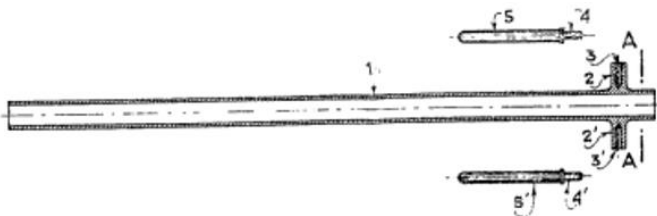
A61B17/46

Definition statement

Replace: The existing Definition statement with the following updated text and images.

Illustrative examples of subject matter classified in this place:

1.



2.



CPC NOTICE OF CHANGES 1719

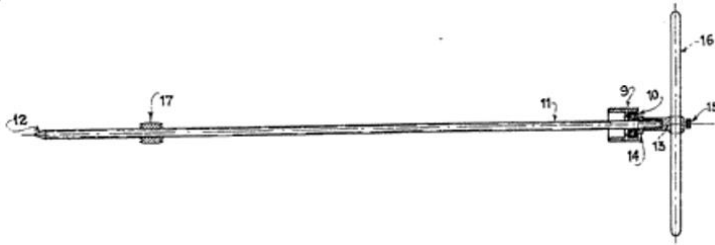
DATE: JANUARY 1, 2025

PROJECT RP12362

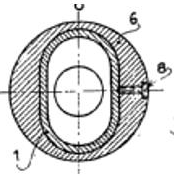
3.



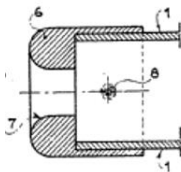
4.



5.



6.



7.



References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

For animals	A61D1/10
-------------	--------------------------

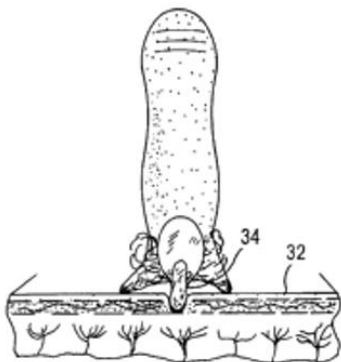
A61B17/50

Definition statement

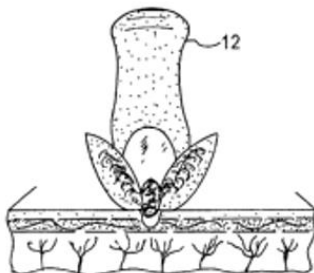
Replace: The existing Definition statement with the following updated text and images.

Illustrative examples of subject matter classified in this place:

1.



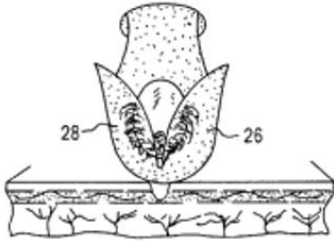
2.



DATE: JANUARY 1, 2025

PROJECT RP12362

3.



References

Limiting references

Replace: The existing Limiting references table with the following updated table.

Surgical pincettes, i.e. surgical tweezers	A61B17/30
--	-----------

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Locating otherwise	A61B5/06
Locating by radiation	A61B6/00
Removing calculi	A61B17/22
Toothpicks	A61C15/02

A61B17/54

Definition statement

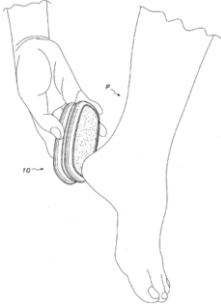
Replace: The existing Definition statement with the following updated text and images.

Illustrative examples of subject matter classified this place:

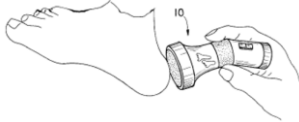
DATE: JANUARY 1, 2025

PROJECT RP12362

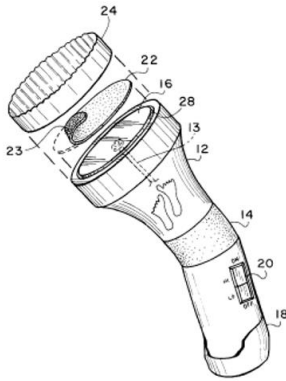
1.



2.



3.



References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

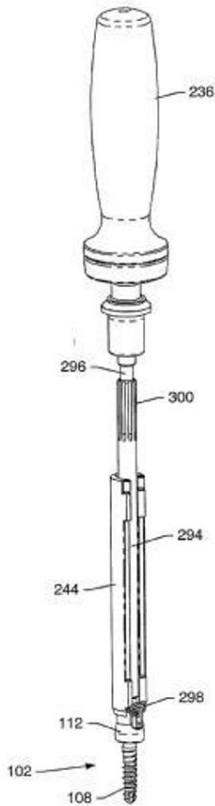
Manicuring or pedicuring implements	A45D29/00
Nail files, e.g. manually operated	A45D29/04
Bathing sponges, brushes, gloves or similar cleaning or rubbing implements for cleaning the feet or toes	A47K7/026
Chiropractic devices	A61H1/008
Files in general	B23D71/00

A61B17/7082

Definition statement

Replace: The existing Definition statement with the following updated text and image.

Illustrative example of subject matter classified in this place.



The Figure illustrates a screwdriver for pedicular, spinal-rod-holding screws.

DATE: JANUARY 1, 2025

PROJECT RP12362

References

Informative references

Insert: The following new row into the existing Informative references table.

Tools specially adapted for spinal fixation operations other than for bone removal or filler handling for applying, tightening or removing longitudinal element-to-bone anchor locking elements, e.g. caps, set screws, nuts or wedges	A61B17/7091
--	-----------------------------

A61B17/72

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for the head, neck or trochanter of the femur, including IM pins or the like	A61B17/744
--	----------------------------

A61B18/00

References

Limiting references

Replace: The existing Limiting references table with the following updated table.

Eye surgery (including lasers therefor)	A61F9/007
Ear surgery	A61F11/20

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

Informative references

Replace: The existing Informative references table with the following updated table.

Instruments for medical examination in the interior of the body, e.g. endoscopes	A61B1/00
Instruments for examination of the eyes	A61B3/00
Detecting, measuring or recording for diagnostic purposes	A61B5/00
Apparatus for radiation diagnosis	A61B6/00
Apparatus for ultrasound diagnosis	A61B8/00
Ultrasonic mechanical disintegration of calculi etc.	A61B17/22004
Implements for extracorporeal shock wave lithotripsy [ESWL], e.g. by using ultrasonic waves	A61B17/225
Cutting with an ultrasonic vibrating blade	A61B17/320068
Accessories for surgery or diagnosis	A61B90/00
Lasers for dentistry	A61C1/0046
Therapy by heating or cooling	A61F7/00
Lasers in eye surgery	A61F9/008
Involving or responsive to electricity, magnetism or acoustic waves; Galenical aspects of sonophoresis, iontophoresis, electroporation or electroosmosis	A61K9/0009
Electrically-conducting adhesives	A61K9/02
Suction or pumping for medical purposes	A61M1/00
Mechanical or structural details of catheters	A61M25/00
Details of catheter tip steering	A61M25/0133
Electrotherapy	A61N1/00
Magnetotherapy	A61N2/00
Radiation therapy	A61N5/00
Ultrasound therapy (including ultrasonic thermal destruction of tissue)	A61N7/00
Working by laser beam	B23K26/00
Materials for the production of heat or cold by chemical reaction	C09K5/00
Light guides	G02B6/00
Lasers in general	H01S3/00
Generation of oscillations, AC generators	H03B1/00

DATE: JANUARY 1, 2025

PROJECT RP12362

A61B18/02

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cooling of probe heat treatment probe, reheating of cryoprobe and cooling or heating of non-target tissue surrounding thermally treated target tissue	A61B2018/00005
Cooling for non-destructive therapy	A61F7/10
Devices for cooling specific reflex points of the body within cell-life limits	A61H39/06

A61B18/04

Definition statement

Replace: The existing Definition statement with the following updated statement.

Heating for tissue destruction in general. Specific energies used therefor in subgroups.

References

Limiting references

Replace: The existing Limiting references table with the following updated table.

Surgical instruments, devices or methods for transferring non-mechanical forms of energy to or from the body by applying electromagnetic radiation	A61B18/18
--	---------------------------

Informative references

Insert: The following new row into the existing Informative references table.

Devices for heating specific reflex points of the body within cell-life limits	A61H39/06
--	---------------------------

A61B50/00

References

Limiting references

Delete: The following three rows from the existing Limiting references table.

Cleaning devices for surgical instruments	A61B90/70
For sterilising articles	A61L2/00
For cleaning for sterilising hypodermic or infusion needles or syringes	A61M5/001

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cleaning devices for surgical instruments	A61B90/70
For preservation of living parts of the human or animal body	A01N1/10
For sterilising articles	A61L2/00
For cleaning for sterilising hypodermic or infusion needles or syringes	A61M5/001

DATE: JANUARY 1, 2025

PROJECT RP12362

A61B50/10**References**Delete: The entire Limiting references section.Insert: The following new Informative references section.***Informative references****Attention is drawn to the following places, which may be of interest for search:*

Supports for surgeons	A61B90/60
Medicine cabinets	A47B67/00
Accommodation for nursing	A61G12/00

A61B90/00**References*****Informative references***Replace: The existing Informative references table with the following updated table.

Protective face masks	A41D13/11
Surgeons' or patients' gowns or dresses	A41D13/12
Devices for carrying-off, for treatment of, or carrying-over, body liquids	A61M1/00

Special rules of classificationReplace: The existing Special rules text with the following updated text.

The breakdown indexing codes and orthogonal indexing codes are to be used for classifying the invention information (in addition to the invention symbols) in case the invention is insufficiently classified by an invention information symbol. They are also to be used for classifying the additional information.

DATE: JANUARY 1, 2025

PROJECT RP12362

A61B90/05

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Garments with built-in harnesses	A41D13/0007
Protective face masks	A41D13/11

A61B2090/061

References

Delete: The entire Limiting references section.

Insert: The following new row into the existing Informative references table.

Informative references

Measuring penetration depth	A61B2090/062
-----------------------------	------------------------------

A61B2090/0815

References

Delete: The entire Limiting references section.

Informative references

Insert: The following two new rows into the existing Informative references table.

Bone joint inserts	A61B17/562
Implantable mesh grafts	A61F2/0063

A61B2090/3937

Definition statement

Replace: The existing Definition statement with the following updated statement.

Includes laser marks e.g. a laser point guiding for a laparoscope.

References

Delete: The entire Limiting references section.

Insert: The following new row into the existing Informative references table.

Informative references

Identification means coded with symbols	A61B90/94
---	---------------------------

A61B90/50

References

Delete: The entire Limiting references section.

Informative references

Insert: The following two new rows into the existing Informative references table.

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

Surgical manipulators	A61B34/70
Holders for articles	A61B50/20

A61B90/60

References

Insert: The following new Limiting references section.

Limiting references

This place does not cover:

Seats for dentists or surgeons associated with dental chairs or operating chairs	A61G15/08
--	-----------

Informative references

Delete: The following row from the existing Informative references table.

Operating chairs	A61G15/00
------------------	-----------

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference</u> <u>symbol or text</u>	<u>Action; New symbol; New text</u>
A61B5/0295	Limiting references	A61B5/0809	A61B5/086
A61B5/0535	Informative references	A61B5/0809	A61B5/086
A61B5/0809			Delete entire Definition
A61B5/0816	Limiting references	A61B5/0809	A61B5/086
A61B5/1073	Limiting references	A61B5/0809	A61B5/086
A61B5/1075	Limiting references	A61B5/0809	A61B5/086
A61B10/0045			Delete entire Definition

NOTES:

- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	A61B5/0809	<administrative transfer to A61B5/086>

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:

- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: “<administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or <administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“To”) symbol, however it is required to specify “<no transfer>” in the “To” column for such cases.
- RCL is not needed for finalisation projects.

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
A61B5/0809		DELETE
A61B5/086	A61B5/085	NEW
A61B8/48	A61B8/00	UPDATE
A61B8/481	A61B8/00	UPDATE
A61B8/483	A61B8/00	UPDATE
A61B8/485	A61B8/00	UPDATE
A61B8/486	A61B8/00	UPDATE
A61B8/488	A61B8/00	UPDATE
A61B8/52	A61B8/00	UPDATE
A61B8/5207	A61B8/00	UPDATE
A61B8/5215	A61B8/00	UPDATE
A61B8/5223	A61B8/00	UPDATE
A61B8/523	A61B8/00	UPDATE
A61B8/5238	A61B8/00	UPDATE
A61B8/5246	A61B8/00	UPDATE
A61B8/5253	A61B8/00	UPDATE
A61B8/5261	A61B8/00	UPDATE
A61B8/5269	A61B8/00	UPDATE
A61B8/5276	A61B8/00	UPDATE
A61B8/5284	A61B8/00	UPDATE
A61B8/5292	A61B8/00	UPDATE

*Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with “NEW.”
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

- F symbols are not included in the CICL table above.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

CPC NOTICE OF CHANGES 1719

DATE: JANUARY 1, 2025

PROJECT RP12362

5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
A61B 10/0096	A61B 10/0038 and A61B 10/0045	A61B 10/0038, A61B 10/0045

NOTES:

- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions **inside** the project scope will be reflected in the “scheme change” template or one of the “definition” templates.
- In addition to other changes proposed in the tables above, in the column titled “Referenced subclass or group to be changed,” **referenced** D symbols should indicate an action of “delete” or should indicate a replacement symbol and **referenced** F symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.