

# CPC COOPERATIVE PATENT CLASSIFICATION

## D TEXTILES; PAPER

### TEXTILES OR FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR

#### D06 TREATMENT OF TEXTILES OR THE LIKE; LAUNDERING; FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR

#### D06N WALL, FLOOR, OR LIKE COVERING MATERIALS, e.g. LINOLEUM, OILCLOTH, ARTIFICIAL LEATHER, ROOFING FELT, CONSISTING OF A FIBROUS WEB COATED WITH A LAYER OF MACROMOLECULAR MATERIAL; FLEXIBLE SHEET MATERIAL NOT OTHERWISE PROVIDED FOR

##### NOTE

Layered products classified in this subclass are also classified in subclass [B32B](#).

##### WARNINGS

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

|                           |            |   |
|---------------------------|------------|---|
| <a href="#">D06N 7/02</a> | covered by | <a href="#">D06N 7/0002</a> – <a href="#">D06N 7/0097</a> |
| <a href="#">D06N 7/04</a> | covered by | <a href="#">D06N 7/0002</a> – <a href="#">D06N 7/0097</a> |
| <a href="#">D06N 7/06</a> | covered by | <a href="#">D06N 7/0002</a> – <a href="#">D06N 7/0097</a> |
- In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

|        |  |        |  |
|--------|--|--------|--|
| 1/00   | Linoleum {, e.g. linoxyn, polymerised or oxidised resin}   | 3/0038 | . . . {Polyolefin fibres (for elastomeric fibres <a href="#">D06N 3/0025</a> )}  |
| 3/00   | Artificial leather, oilcloth or {other} material obtained by covering fibrous webs with macromolecular material, e.g. resins, rubber or derivatives thereof  | 3/004  | . . {using flocked webs or pile fabrics upon which a resin is applied; Teasing, raising web before resin application}  |
| 3/0002 | . {characterised by the substrate}   | 3/0043 | . {characterised by their foraminous structure; Characteristics of the foamed layer or of cellular layers (foraminous structure obtained by stretching <a href="#">D06N 3/0029</a> )}                                    |
| 3/0004 | . . {using ultra-fine two-component fibres, e.g. island/sea, or ultra-fine one component fibres (< 1 denier)}  | 3/0045 | . . {obtained by applying a ready-made foam layer; obtained by compressing, crinkling or crushing a foam layer, e.g. Kaschiervorfahren für Schaumschicht}  |
| 3/0006 | . . {using woven fabrics}  | 3/0047 | . . {obtained by incorporating air, i.e. froth}  |
| 3/0009 | . . {using knitted fabrics}  | 3/005  | . . {obtained by blowing or swelling agent}  |
| 3/0011 | . . {using non-woven fabrics}  | 3/0052 | . . {obtained by leaching out of a compound, e.g. water soluble salts, fibres or fillers; obtained by freezing or sublimation; obtained by eliminating drops of sublimable fluid}  |
| 3/0013 | . . {using multilayer webs}  | 3/0054 | . . {obtained by mechanical perforations}  |
| 3/0015 | . . {using fibres of specified chemical or physical nature, e.g. natural silk}   | 3/0056 | . {characterised by the compounding ingredients of the macro-molecular coating ( <a href="#">D06N 3/005</a> takes precedence)}   |
| 3/0018 | . . . {Collagen fibres or collagen on fibres}  | 3/0059 | . . {Organic ingredients with special effects, e.g. oil- or water-repellent, antimicrobial, flame-resistant, magnetic, bactericidal, odour-influencing agents; perfumes ( <a href="#">D06N 3/0065</a> takes precedence)} |
| 3/002  | . . . {Asbestos fibres}  | 3/0061 | . . {Organic fillers or organic fibrous fillers, e.g. ground leather waste, wood bark, cork powder, vegetable flour; Other organic compounding ingredients; Post-treatment with organic compounds}                       |
| 3/0022 | . . . {Glass fibres}   |        |  |
| 3/0025 | . . . {Rubber threads; Elastomeric fibres; Stretchable, bulked or crimped fibres; Retractable, crimpable fibres; Shrinking or stretching of fibres during manufacture; Obliquely threaded fabrics} |        |  |
| 3/0027 | . . . . {Rubber or elastomeric fibres}   |        |  |
| 3/0029 | . . . . {Stretchable fibres; Stretching of fibres during manufacture}  |        |  |
| 3/0031 | . . . . {Retractable fibres; Shrinking of fibres during manufacture}   |        |  |
| 3/0034 | . . . {Polyamide fibres (for elastomeric fibres <a href="#">D06N 3/0025</a> )}   |        |  |
| 3/0036 | . . . {Polyester fibres (for elastomeric fibres <a href="#">D06N 3/0025</a> )}   |        |  |

- 3/0063 . . {Inorganic compounding ingredients, e.g. metals, carbon fibres, Na<sub>2</sub>CO<sub>3</sub>, metal layers; Post-treatment with inorganic compounds}
- 3/0065 . . {Organic pigments, e.g. dyes, brighteners}
- 3/0068 . . {Polymeric granules, particles or powder, e.g. core-shell particles, microcapsules}
- 3/007 . {characterised by mechanical or physical treatments ([D06N 3/0029](#), [D06N 3/0031](#) take precedence)}
- 3/0072 . . {Slicing; Manufacturing two webs at one time}
- 3/0075 . . {Napping, teasing, raising or abrading of the resin coating ([raising, napping of the web before coating D06N 3/004](#))}
- 3/0077 . . {Embossing; Pressing of the surface; Tumbling and crumbling; Cracking; Cooling; Heating, e.g. mirror finish}
- 3/0079 . . {Suction, vacuum treatment}
- 3/0081 . . {by wave energy or particle radiation ([D06N 3/08](#) takes precedence)}
- 3/0084 . . {by electrical processes, e.g. potentials, corona discharge, electrophoresis, electrolytic}
- 3/0086 . {characterised by the application technique}
- 3/0088 . . {by directly applying the resin ([D06N 3/0045](#) takes precedence)}
- 3/009 . . . {by spraying components on the web ([powder D06N 3/0093](#))}
- 3/0093 . . . {by applying resin powders; by sintering}
- 3/0095 . . {by inversion technique; by transfer processes}
- 3/0097 . . . {Release surface, e.g. separation sheets; Silicone papers}
- 3/02 . with cellulose derivatives
- 3/04 . with macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds
- 3/042 . . {Acrylic polymers ([D06N 3/045](#) takes precedence)}
- 3/045 . . {with polyolefin or polystyrene (co-)polymers}
- 3/047 . . {with fluoropolymers}
- 3/06 . . with polyvinylchloride or its copolymerisation products {([surface treatment or foaming for floor coverings D06N 7/0007](#))}
- 3/065 . . . {PVC together with other resins except polyurethanes ([with polyurethanes D06N 3/144](#))}
- 3/08 . . . with a finishing layer consisting of polyacrylates, polyamides or polyurethanes {or polyester}
- 3/10 . . with styrene-butadiene copolymerisation products {or other synthetic rubbers or elastomers except polyurethanes}
- 3/103 . . . {Thermosetting synthetic rubbers}
- 3/106 . . . {Elastomers}
- 3/12 . with macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds {, e.g. gelatine proteins}
- 3/121 . . {with polyesters, polycarbonates, alkyds ([oils D06N 3/16](#))}
- 3/123 . . . {with polyesters}
- 3/125 . . {with polyamides}
- 3/126 . . . {Poly-amino acids, e.g. polyglutamates}
- 3/128 . . {with silicon polymers}
- 3/14 . . with polyurethanes
- 3/141 . . . {mixture of two or more polyurethanes in the same layer}
- 3/142 . . . {mixture of polyurethanes with other resins in the same layer}
- 3/143 . . . . {with polyurethanes and other polycondensation or polyaddition products, e.g. aminoplast}
- 3/144 . . . . {with polyurethane and polymerisation products, e.g. acrylics, PVC}
- 3/145 . . . {two or more layers of polyurethanes}
- 3/146 . . . {characterised by the macromolecular diols used}
- 3/147 . . . {characterised by the isocyanates used}
- 3/148 . . . . {(cyclo)aliphatic polyisocyanates}
- 3/16 . with oil varnishes {, i.e. drying oil varnishes, preferably linseed-oil-based; factice (sulfurised oils), Turkish birdlime, resins reacted with drying oils; naphthenic metal salts}
- 3/18 . with two layers of different macromolecular materials ([D06N 3/08](#) takes precedence); {(with two layers of the same kind of macromolecular material [D06N 2213/03](#))}
- 3/183 . . {the layers are one next to the other}
- 3/186 . . {one of the layers is on one surface of the fibrous web and the other layer is on the other surface of the fibrous web}
- 5/00 {Roofing materials comprising a fibrous web coated with bitumen or another polymer, e.g. pitch (compositions of bituminous materials [C08L 95/00](#), roof covering [E04D 5/00](#), roofing underlays [E04D 12/002](#))}**
- 5/003 . {coated with bitumen}
- 5/006 . . {characterised by the means to apply it to a support or to another roofing membrane, e.g. self-adhesive layer or strip}
- 7/00 Flexible sheet materials not otherwise provided for, e.g. textile threads, filaments, yarns or tow, glued on macromolecular material (paper-based or board-based structures for surface covering [D21H 27/20](#))**
- 7/0002 . {Wallpaper or wall covering on textile basis}
- 7/0005 . {Floor covering on textile basis comprising a fibrous substrate being coated with at least one layer of a polymer on the top surface}
- 7/0007 . . {characterised by their relief structure}
- 7/001 . . . {obtained by mechanical embossing}
- 7/0013 . . . {obtained by chemical embossing (chemisches Prägen)}
- 7/0015 . . . . {use of inhibitor for the blowing agent or inhibitor for the kicker, e.g. trimellitic anhydride, triazole}
- 7/0018 . . . . {use of kicker for the blowing agent, e.g. Beschleunigungsverfahren}
- 7/0021 . . . . {use of a swelling agent}
- 7/0023 . . . {obtained by physical means, e.g. differential heating or differential irradiation; masking certain areas during treating}
- 7/0026 . . . {obtained by moulding, e.g. moulding table (tapis moule)}
- 7/0028 . . {characterised by colour effects, e.g. craquelé, reducing gloss ([terrazzo by sintering D06N 7/0057](#))}
- 7/0031 . . . {mixture of two or more dyes, pigments, brighteners in the same layer}
- 7/0034 . . . {two or more different colour layers}

|                |   |                         |   |
|----------------|---|-------------------------|---|
| 7/0036         | . . {characterised by their backing, e.g. secondary backing, back-sizing}   | 2201/0254               | . . Polyolefin fibres   |
| 7/0039         | . . {characterised by the physical or chemical aspects of the layers}   | 2201/0263               | . . Polyamide fibres  |
| 7/0042         | . . . {Conductive or insulating layers; Antistatic layers; Flame-proof layers}  | 2201/0272               | . . . Aromatic polyamide fibres   |
| 7/0044         | . . . {Sealing or barrier layers, e.g. against solvents, asphalt, plasticisers}   | 2201/0281               | . . Polyurethane fibres   |
| 7/0047         | . . . {Special extra layers under the surface coating, e.g. wire threads}   | 2201/029                | . . Fluoropolymer fibres  |
| 7/0049         | . . . . {Fibrous layer(s); Fibre reinforcement; Fibrous fillers}  | 2201/04                 | . . Vegetal fibres  |
| 7/0052         | . . . {Compounding ingredients, e.g. rigid elements (compounding ingredients of the macromolecular coating <a href="#">D06N 3/0056</a> )}                       | 2201/042                | . . Cellulose fibres, e.g. cotton   |
| 7/0055         | . . . . {Particulate material such as cork, rubber particles, reclaimed resin particles, magnetic particles, metal particles, glass beads}                      | 2201/045                | . . . Lignocellulosic fibres, e.g. jute, sisal, hemp, flax, bamboo  |
| 7/0057         | . . . {Layers obtained by sintering or glueing the granules together}   | 2201/047                | . . . Wood fibres   |
| 7/006          | . . {characterised by the textile substrate as base web (for intermediate fibrous webs <a href="#">D06N 7/0049</a> )}   | 2201/06                 | . . Animal fibres, e.g. hair, wool, silk  |
| 7/0063         | . {Floor covering on textile basis comprising a fibrous top layer being coated at the back with at least one polymer layer, e.g. carpets, rugs, synthetic turf} | 2201/08                 | . . Inorganic fibres  |
| 7/0065         | . . {characterised by the pile}   | 2201/082                | . . Glass fibres  |
| 7/0068         | . . {characterised by the primary backing or the fibrous top layer}   | 2201/085                | . . Metal fibres  |
| 7/0071         | . . {characterised by their backing, e.g. pre-coat, back coating, secondary backing, cushion backing}   | 2201/087                | . . Carbon fibres   |
| 7/0073         | . . . {the back coating or pre-coat being applied as an aqueous dispersion or latex}  | 2201/10                 | . . Conjugate fibres, e.g. core-sheath, side-by-side  |
| 7/0076         | . . . {the back coating or pre-coat being a thermoplastic material applied by, e.g. extrusion coating, powder coating or laminating a thermoplastic film}       | 2201/12                 | . . Fibres being in the form of a tape, strip or ribbon   |
| 7/0078         | . . . {the back coating or pre-coat being applied as a hot melt}  | <b>&lt;NO TITLE&gt;</b> |   |
| 7/0081         | . . . {with at least one extra fibrous layer at the backing, e.g. stabilizing fibrous layer, fibrous secondary backing}   | <b>2203/00</b>          | <b>Macromolecular materials of the coating layers</b>   |
| 7/0084         | . . . {with at least one layer obtained by sintering or bonding granules together}  | 2203/02                 | . . Natural macromolecular compounds or derivatives thereof   |
| 7/0086         | . . . {characterised by the cushion backing, e.g. foamed polyurethane}  | 2203/022                | . . Natural rubber  |
| 7/0089         | . . {Underlays}   | 2203/024                | . . Polysaccharides or derivatives thereof  |
| 7/0092         | . {Non-continuous polymer coating on the fibrous substrate, e.g. plastic dots on fabrics}   | 2203/026                | . . . Cellulose or derivatives thereof  |
| 7/0094         | . {Fibrous material being coated on one surface with at least one layer of an inorganic material and at least one layer of a macromolecular material}           | 2203/028                | . . . Starch or derivatives thereof   |
| 7/0097         | . {Web coated with fibres, e.g. flocked}  | 2203/04                 | . . Macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds                |
| <b>2201/00</b> | <b>Chemical constitution of the fibres, threads or yarns</b>  | 2203/041                | . . Polyacrylic   |
| 2201/02        | . Synthetic macromolecular fibres   | 2203/042                | . . Polyolefin (co)polymers   |
| 2201/0209      | . . Elastomeric, elastic fibres, e.g. spandex, lycra  | 2203/044                | . . Fluoropolymers  |
| 2201/0218      | . . Vinyl resin fibres  | 2203/045                | . . Vinyl (co)polymers  |
| 2201/0227      | . . . Aromatic vinyl resin, e.g. styrenic (co)polymers  | 2203/047                | . . . Aromatic vinyl (co)polymers, e.g. styrene   |
| 2201/0236      | . . . Vinyl halide, e.g. PVC, PVDC, PVF, PVDF   | 2203/048                | . . . Polyvinylchloride (co)polymers  |
| 2201/0245      | . . Acrylic resin fibres  | 2203/06                 | . . Macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds |
|                |   | 2203/061                | . . Polyesters  |
|                |   | 2203/063                | . . Polycarbonates  |
|                |   | 2203/065                | . . Polyamides  |
|                |   | 2203/066                | . . Silicon polymers  |
|                |   | 2203/068                | . . Polyurethanes   |
|                |   | 2203/08                 | . Bituminous material, e.g. asphalt, tar, bitumen   |
|                |   | <b>2205/00</b>          | <b>Condition, form or state of the materials</b>  |
|                |   | 2205/02                 | . Dispersion  |
|                |   | 2205/023                | . . Emulsion, aqueous dispersion, latex   |
|                |   | 2205/026                | . . Plastisol   |
|                |   | 2205/04                 | . Foam  |
|                |   | 2205/045                | . . Froth   |
|                |   | 2205/06                 | . Melt  |
|                |   | 2205/08                 | . Microballoons, microcapsules  |
|                |   | 2205/10                 | . Particulate form, e.g. powder, granule  |
|                |   | 2205/103                | . . Nanoparticles   |
|                |   | 2205/106                | . . Scrap or recycled particles   |
|                |   | 2205/12                 | . Platelets, flakes   |
|                |   | 2205/14                 | . Fibrous additives or fillers  |
|                |   | 2205/16                 | . Solution  |
|                |   | 2205/18                 | . Scraps or recycled materials ( <a href="#">D06N 2205/106 takes precedence</a> )                                   |
|                |   | 2205/20                 | . Cured materials, e.g. vulcanised, cross-linked  |
|                |   | 2205/22                 | . Partially cured   |

|                |  |                |   |
|----------------|--|----------------|---|
| 2205/24        | . Coagulated materials   | 2209/145       | . . Oleophobic  |
| 2205/243       | . . by heating, steam  | 2209/146       | . . Soilproof, soil repellent   |
| 2205/246       | . . by extracting the solvent  | 2209/147       | . . Stainproof, stain repellent   |
| <b>2207/00</b> | <b>Treatments by energy or chemical effects</b>  | 2209/148       | . . Superabsorbing  |
| 2207/02        | . using vibration  | 2209/16        | . having other properties   |
| 2207/04        | . using steam ( <a href="#">D06N 2205/243</a> takes precedence)  | 2209/1607      | . . Degradability   |
| 2207/06        | . using liquids, e.g. water  | 2209/1614      | . . . Biodegradable   |
| 2207/08        | . using gas  | 2209/1621      | . . . Water-soluble, water-dispersible  |
| 2207/10        | . using flames   | 2209/1628      | . . Dimensional stability   |
| 2207/12        | . by wave energy or particle radiation   | 2209/1635      | . . Elasticity  |
| 2207/123       | . . using electromagnetic radiation, e.g. IR, UV, actinic light, laser, X-ray, gamma-ray, microwave, radio frequency | 2209/1642      | . . Hardnes   |
| 2207/126       | . . using particle radiation, e.g. ion, electron, neutron  | 2209/165       | . . Odour absorbing, deodorizing ability  |
| 2207/14        | . Corona, ionisation, electrical discharge   | 2209/1657      | . . Printability  |
| <b>2209/00</b> | <b>Properties of the materials</b>   | 2209/1664      | . . Releasability   |
| 2209/02        | . having acoustical properties   | 2209/1671      | . . Resistance to bacteria, mildew, mould, fungi  |
| 2209/025       | . . Insulating, sound absorber   | 2209/1678      | . . Resistive to light or to UV   |
| 2209/04        | . having electrical or magnetic properties   | 2209/1685      | . . Wear resistance   |
| 2209/041       | . . Conductive   | 2209/1692      | . . Weather resistance  |
| 2209/043       | . . Insulating   | <b>2211/00</b> | <b>Specially adapted uses</b>   |
| 2209/045       | . . Magnetic, paramagnetic   | 2211/02        | . Agriculture   |
| 2209/046       | . . Anti-static  | 2211/04        | . Belts   |
| 2209/048       | . . Electromagnetic interference shielding   | 2211/06        | . Building materials  |
| 2209/06        | . having thermal properties  | 2211/063       | . . Wall coverings  |
| 2209/062       | . . Conductive   | 2211/066       | . . Floor coverings   |
| 2209/065       | . . Insulating   | 2211/08        | . Cleaning articles   |
| 2209/067       | . . Flame resistant, fire resistant  | 2211/10        | . Clothing  |
| 2209/08        | . having optical properties  | 2211/103       | . . Gloves  |
| 2209/0807      | . . Coloured   | 2211/106       | . . Footwear  |
| 2209/0815      | . . . on the layer surface, e.g. ink   | 2211/12        | . Decorative or sun protection articles   |
| 2209/0823      | . . . within the layer by addition of a colorant, e.g. pigments, dyes  | 2211/122       | . . Curtains  |
| 2209/083       | . . . Multi-coloured   | 2211/125       | . . Awnings, sunblinds  |
| 2209/0838      | . . Bright, glossy, shiny surface  | 2211/127       | . . Table cloth   |
| 2209/0846      | . . Matt, dull surface   | 2211/14        | . . Furniture, upholstery   |
| 2209/0853      | . . Opaque   | 2211/16        | . . Geotextiles   |
| 2209/0861      | . . Transparent  | 2211/18        | . . Medical, e.g. bandage, prostheses or catheter   |
| 2209/0869      | . . Translucent  | 2211/20        | . . Packaging   |
| 2209/0876      | . . Reflective   | 2211/22        | . . Patches, e.g. medical patches, repair patches   |
| 2209/0884      | . . Refractive   | 2211/24        | . . Personal care   |
| 2209/0892      | . . Luminescent, fluorescent, phosphorescent   | 2211/26        | . . Vehicles, transportation  |
| 2209/10        | . having mechanical properties   | 2211/261       | . . . Body finishing, e.g. headliners   |
| 2209/101       | . . Vibration damping, energy absorption   | 2211/262       | . . . Constructional panels   |
| 2209/103       | . . Resistant to mechanical forces, e.g. shock, impact, puncture, flexion, shear, compression, tear                  | 2211/263       | . . . Cars  |
| 2209/105       | . . Resistant to abrasion, scratch   | 2211/265       | . . . Trains  |
| 2209/106       | . . Roughness, anti-slip, abrasiveness   | 2211/266       | . . . Ships   |
| 2209/108       | . . Slipping, anti-blocking, low friction  | 2211/267       | . . . Aircraft  |
| 2209/12        | . Permeability or impermeability properties  | 2211/268       | . . . Airbags   |
| 2209/121       | . . Permeability to gases, adsorption  | 2211/28        | . . Artificial leather  |
| 2209/123       | . . . Breathable   | 2211/30        | . Filters   |
| 2209/125       | . . . Non-permeable  | <b>2213/00</b> | <b>Others characteristics</b>   |
| 2209/126       | . . Permeability to liquids, absorption  | 2213/02        | . All layers being of the same kind of material, e.g. all layers being of polyolefins, all layers being of polyesters |
| 2209/128       | . . . Non-permeable  | 2213/03        | . Fibrous web coated on one side with at least two layers of the same polymer type, e.g. two coatings of polyolefin   |
| 2209/14        | . having chemical properties   | 2213/04        | . Perforated layer  |
| 2209/141       | . . Hydrophilic  | 2213/045       | . . the coating layer does not completely close the openings between the fibres                                       |
| 2209/142       | . . Hydrophobic  | 2213/06        | . Characteristics of the backing in carpets, rugs, synthetic lawn   |
| 2209/143       | . . Inert, i.e. inert to chemical degradation, corrosion resistant   | 2213/061       | . . Non-continuous back coating or pre-coat   |

- 2213/063 . . Porous back coating or pre-coat
- 2213/065 . . Two back coatings one next to the other
- 2213/066 . . having an adhesive on the undersurface to allow removal of the whole carpet, rug or synthetic lawn from the floor, e.g. pressure sensitive adhesive
- 2213/068 . . Releasability between at least two of the layers