

# 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 ([laminates in general B32B](#); [coated webs which retain the character of paper or cardboard D21](#))

##### NOTE

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

##### WARNING

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>

1/00	Linoleum {, e.g. linoxyn, polymerised or oxidised resin}	3/0038	. . . {Polyolefin fibres ( <a href="#">for elastomeric fibres 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 ( <a href="#">foraminous structure obtained by stretching 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 takes precedence</a> )}
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 takes precedence</a> )}
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}	3/0063	. . {Inorganic compounding ingredients, e.g. metals, carbon fibres, Na <sub>2</sub> CO <sub>3</sub> , metal layers; Post-treatment with inorganic compounds}
3/0025	. . . {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 ( <a href="#">for elastomeric fibres D06N 3/0025</a> )}		
3/0036	. . . {Polyester fibres ( <a href="#">for elastomeric fibres D06N 3/0025</a> )}		

- 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 {, e.g. fibrous top layer with resin backing, plastic naps or dots on fabrics}**
- 7/0002 . . {Wallpaper or wall covering on textile basis}
- WARNING**  
groups [D06N 7/0002](#), [D06N 7/0092-D06N 7/0097](#) are not complete, pending reorganisation. See also [D06N 7/00](#)
- 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}
- 7/0039 . . {characterised by the physical or chemical aspects of the layers}
- 7/0042 . . . {Conductive or insulating layers; Antistatic layers; Flame-proof layers}
- 7/0044 . . . {Sealing or barrier layers, e.g. against solvents, asphalt, plasticisers}
- 7/0047 . . . {Special extra layers under the surface coating, e.g. wire threads}
- 7/0049 . . . . {Fibrous layer(s); Fibre reinforcement; Fibrous fillers}
- 7/0052 . . . {Compounding ingredients, e.g. rigid elements (compounding ingredients of the macromolecular coating D06N 3/0056)}
- 7/0055 . . . . {Particulate material such as cork, rubber particles, reclaimed resin particles, magnetic particles, metal particles, glass beads}
- 7/0057 . . . {Layers obtained by sintering or glueing the granules together}
- 7/006 . . {characterised by the textile substrate as base web (for intermediate fibrous webs D06N 7/0049)}
- 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}

**WARNING**

Groups [D06N 7/0063-D06N 7/0084](#) are not complete, pending reorganisation. See also [D06N 7/0036](#)

- 7/0065 . . {characterised by the pile}

**WARNING**

Groups [D06N 7/0065](#), [D06N 7/0068](#) are not complete, pending reorganisation. See also [D06N 7/006](#)

- 7/0068 . . {characterised by the primary backing or the fibrous top layer}
- 7/0071 . . {characterised by their backing, e.g. pre-coat, back coating, secondary backing, cushion backing}
- 7/0073 . . . {the back coating or pre-coat being applied as an aqueous dispersion or latex}
- 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}
- 7/0078 . . . {the back coating or pre-coat being applied as a hot melt}
- 7/0081 . . . {with at least one extra fibrous layer at the backing, e.g. stabilizing fibrous layer, fibrous secondary backing}
- 7/0084 . . . {with at least one layer obtained by sintering or bonding granules together}
- 7/0086 . . . {characterised by the cushion backing, e.g. foamed polyurethane}
- 7/0089 . . {Underlays}
- 7/0092 . {Non-continuous polymer coating on the fibrous substrate, e.g. plastic dots on fabrics}

- 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}
- 7/0097 . {Web coated with fibres, e.g. flocked}

**2201/00 Chemical constitution of the fibres, threads or yarns**

- 2201/02 . Synthetic macromolecular fibres
- 2201/0209 . . Elastomeric, elastic fibres, e.g. spandex, lycra
- 2201/0218 . . Vinyl resin fibres
- 2201/0227 . . . Aromatic vinyl resin, e.g. styrenic (co)polymers
- 2201/0236 . . . Vinyl halide, e.g. PVC, PVDC, PVF, PVDF
- 2201/0245 . . Acrylic resin fibres
- 2201/0254 . . Polyolefin fibres
- 2201/0263 . . Polyamide fibres
- 2201/0272 . . . Aromatic polyamide fibres
- 2201/0281 . . Polyurethane fibres
- 2201/029 . . Fluoropolymer fibres
- 2201/04 . Vegetal fibres
- 2201/042 . . Cellulose fibres, e.g. cotton
- 2201/045 . . . Lignocellulosic fibres, e.g. jute, sisal, hemp, flax, bamboo
- 2201/047 . . . Wood fibres
- 2201/06 . Animal fibres, e.g. hair, wool, silk
- 2201/08 . Inorganic fibres
- 2201/082 . . Glass fibres
- 2201/085 . . Metal fibres
- 2201/087 . . Carbon fibres
- 2201/10 . Conjugate fibres, e.g. core-sheath, side-by-side
- 2201/12 . Fibres being in the form of a tape, strip or ribbon

**<NO TITLE>****2203/00 Macromolecular materials of the coating layers**

- 2203/02 . Natural macromolecular compounds or derivatives thereof
- 2203/022 . . Natural rubber
- 2203/024 . . Polysaccharides or derivatives thereof
- 2203/026 . . . Cellulose or derivatives thereof
- 2203/028 . . . Starch or derivatives thereof
- 2203/04 . Macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds
- 2203/041 . . Polyacrylic
- 2203/042 . . Polyolefin (co)polymers
- 2203/044 . . Fluoropolymers
- 2203/045 . . Vinyl (co)polymers
- 2203/047 . . . Aromatic vinyl (co)polymers, e.g. styrene
- 2203/048 . . . Polyvinylchloride (co)polymers
- 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

**2205/00 Condition, form or state of the materials**

- 2205/02 . Dispersion
- 2205/023 . . Emulsion, aqueous dispersion, latex
- 2205/026 . . Plastisol

2205/04	. Foam	2209/105	. . Resistant to abrasion, scratch
2205/045	. . Froth	2209/106	. . Roughness, anti-slip, abrasiveness
2205/06	. Melt	2209/108	. . Slipping, anti-blocking, low friction
2205/08	. Microballoons, microcapsules	2209/12	. Permeability or impermeability properties
2205/10	. Particulate form, e.g. powder, granule	2209/121	. . Permeability to gases, adsorption
2205/103	. . Nanoparticles	2209/123	. . . Breathable
2205/106	. . Scrap or recycled particles	2209/125	. . . Non-permeable
2205/12	. Platelets, flakes	2209/126	. . Permeability to liquids, absorption
2205/14	. Fibrous additives or fillers	2209/128	. . . Non-permeable
2205/16	. Solution	2209/14	. having chemical properties
2205/18	. Scraps or recycled materials ( <a href="#">D06N 2205/106 takes precedence</a> )	2209/141	. . Hydrophilic
2205/20	. Cured materials, e.g. vulcanised, cross-linked	2209/142	. . Hydrophobic
2205/22	. Partially cured	2209/143	. . Inert, i.e. inert to chemical degradation, corrosion resistant
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 takes precedence</a> )	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 ( <a href="#">adhesive allowing removal of the whole carpet D06N 2213/066; releasability between at least two layers of a carpet, rug or synthetic lawn D06N 2213/068</a> )
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 ( <a href="#">personal care D06N 2211/24</a> )
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, catheter ( <a href="#">medical patches D06N 2211/22; medical packaging D06N 2211/20</a> )
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

- 2211/265 . . . Trains
- 2211/266 . . . Ships
- 2211/267 . . . Aircraft
- 2211/268 . . . Airbags
- 2211/28 . . Artificial leather
- 2211/30 . Filters

**2213/00 Others characteristics**

- 2213/02 . All layers being of the same kind of material, e.g. all layers being of polyolefins, all layers being of polyesters
- 2213/03 . Fibrous web coated on one side with at least two layers of the same polymer type, e.g. two coatings of polyolefin
- 2213/04 . Perforated layer
- 2213/045 . . the coating layer does not completely close the openings between the fibres
- 2213/06 . Characteristics of the backing in carpets, rugs, synthetic lawn
- 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