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

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

1/00 Linoleum {, e.g. linoxyn, polymerised or oxidised resin}

3/00 Artificial leather, oilcloth or {other} material obtained by covering fibrous webs with macromolecular material, e.g. resins, rubber or derivatives thereof

3/0002 [characterised by the substrate]
3/0004 [using ultra-fine two-component fibres, e.g. island/sea, or ultra-fine one component fibres (< 1 denier)]
3/0006 [using woven fabrics]
3/0009 [using knitted fabrics]
3/0011 [using non-woven fabrics]
3/0013 [using multilayer webs]
3/0015 [using fibres of specified chemical or physical nature, e.g. natural silk]
3/0018 [Collagen fibres or collagen on fibres]
3/002 [Asbestos fibres]
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 D06N 3/0025)]
3/0036 [Polyester fibres (for elastomeric fibres D06N 3/0025)]

3/0038 [Polyolefin fibres (for elastomeric fibres D06N 3/0025)]
3/004 [using flocked webs or pile fabrics upon which a resin is applied; Teasing, raising web before resin application]
3/0043 [characterised by their foraminous structure; Characteristics of the foamed layer or of cellular layers (foraminous structure obtained by stretching D06N 3/0029)]
3/0045 [obtained by applying a ready-made foam layer; obtained by compressing, crinkling or crushing a foam layer, e.g. Kaschieverfahren für Schaufenschicht]
3/0047 [obtained by incorporating air, i.e. froth]
3/005 [obtained by blowing or swelling agent]
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]
3/0054 [obtained by mechanical perforations]
3/0056 [characterised by the compounding ingredients of the macro-molecular coating (D06N 3/005 takes precedence)]
3/0059 [Organic ingredients with special effects, e.g. oil- or water-repellent, antimicrobial, flame-resistant, magnetic, bactericidal, odour-influencing agents; perfumes (D06N 3/0065 takes precedence)]
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]
3/0063 . . . [Inorganic compounding ingredients, e.g. metals, carbon fibres, Na₂CO₃, 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, raising, peeling 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 polystyrene 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 . . . [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 3/166)]
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 polycrystalline 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, resinates 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]

WARNING

groups D06N 7/0002, D06N 7/00092-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. Beschleunigungsvorhaben]
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 gluing 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 . . . Polysters
2203/063 . . . Polycarbonates
2203/065 . . . Polymides
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
Properties of the materials

- having mechanical properties
- Vibration damping, energy absorption

Treatments by energy or chemical effects

- using vibration
- using steam (D06N 2205/243 takes precedence)
- using liquids, e.g. water
- using gas
- using flames
- by wave energy or particle radiation
- using electromagnetic radiation, e.g. IR, UV, actinic light, laser, X-ray, gamma-ray, microwave, radio frequency

- by extracting the solvent

Specially adapted uses

- having other properties
- Resistant to mechanical forces, e.g. shock, impact, puncture, flexion, shear, compression, tear
- Resistant to abrasion, scratch
- Roughness, anti-slip, abrasiveness
- Slipping, anti-blocking, low friction
- Permeability or impermeability properties
- Permeability to gases, adsorption
- Breathable
- Non-permeable
- Permeability to liquids, absorption
- Non-permeable
- having chemical properties
- Hydrophilic
- Hydrophobic
- Inert, i.e. inert to chemical degradation, corrosion resistant
- Oleophobic
- Soilproof, soil repellent
- Stainproof, stain repellent
- Superabsorbing
- having other properties
- Degradability
- Biodegradable
- Water-soluble, water-dispersible
- Dimensional stability
- Elasticity
- Hardnes
- Odour absorbing, deodorizing ability
- Printability
- Releasability (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)
- Resistance to bacteria, mildew, mould, fungi
- Resistive to light or to UV
- Resistive
- Weather resistance

- Agriculture
- Belts
- Building materials
- Wall coverings
- Floor coverings
- Cleaning articles (personal care D06N 2211/24)
- Clothing
- Gloves
- Footwear
- Decorative or sun protection articles
- Curtains
- Awnings, sunblinds
- Table cloth
- Furniture, upholstery
- Geotextiles
- Medical, e.g. bandage, prostheses, catheter (medical patches D06N 2211/22; medical packaging D06N 2211/20)
- Packaging
- Patches, e.g. medical patches, repair patches
- Personal care
- Vehicles, transportation
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<td>. . . Body finishing, e.g. headliners</td>
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<tr>
<td>2211/263</td>
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<td>. . Artificial leather</td>
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<td>. Filters</td>
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**2213/00 Others characteristics**

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<td>. All layers being of the same kind of material, e.g. all layers being of polyolefins, all layers being of polyesters</td>
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<td>2213/03</td>
<td>. Fibrous web coated on one side with at least two layers of the same polymer type, e.g. two coatings of polyolefin</td>
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<td>. Perforated layer</td>
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<td>2213/06</td>
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<td>2213/061</td>
<td>. . Non-continuous back coating or pre-coat</td>
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<tr>
<td>2213/063</td>
<td>. . Porous back coating or pre-coat</td>
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<td>2213/065</td>
<td>. . Two back coatings one next to the other</td>
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<td>2213/066</td>
<td>. . 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</td>
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<tr>
<td>2213/068</td>
<td>. . Releasability between at least two of the layers</td>
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