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:

D06N 7/02  covered by  D06M, D06N
D06N 7/04  covered by  D06M, D06N
D06N 7/06  covered by  D06M, D06N

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 cramped 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. Kaschierverfahren für Schaumschicht}
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. other components; 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}
to-carbon unsaturated bonds, e.g. gelatine with macromolecular compounds obtained by reactions only involving carbon-to-carbon with cellulose derivatives or polyesters, polycarbonates, alkyds (oils with styrene-butadiene copolymerisation products).

3/16 . . . with oil varnishes, i.e. drying oil varnishes, preferably linseed-oil-based; factice (sulfurised oils), Turkish birdlime, resines 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 molue)]
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]
7/0066 . . . [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 7/0066

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. styrene (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 . . . Wool 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
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 (D06N 2205/106 takes precedence)
2205/20 . Cured materials, e.g. vulcanised, cross-linked
2205/22 . Partially cured
2205/24 . Coagulated materials
2205/243 . by heating, steam
2205/246 . by extracting the solvent
2207/00 . Treatments by energy or chemical effects
2207/02 . using vibration
2207/04 . using steam (D06N 2205/243 takes precedence)
2207/06 . using liquids, e.g. water
2207/08 . using gas
2207/10 . using flames
2207/12 . by wave energy or particle radiation
2207/123 . using electromagnetic radiation, e.g. IR, UV, actinic light, laser, X-ray, gamma-ray, microwave, radio frequency
2207/126 . using particle radiation, e.g. ion, electron, neutron
2207/14 . Corona, ionisation, electrical discharge
2209/00 . Properties of the materials
2209/02 . having acoustical properties
2209/025 . Insulating, sound absorber
2209/04 . having electrical or magnetic properties
2209/041 . Conductive
2209/043 . Insulating
2209/045 . Magnetic, paramagnetic
2209/046 . Anti-static
2209/048 . Electromagnetic interference shielding
2209/06 . having thermal properties
2209/062 . Conductive
2209/065 . Insulating
2209/067 . Flame resistant, fire resistant
2209/08 . having optical properties
2209/0807 . Coloured
2209/0815 . on the layer surface, e.g. ink
2209/0823 . within the layer by addition of a colorant, e.g. pigments, dyes
2209/083 . Multi-coloured
2209/0838 . Bright, glossy, shiny surface
2209/0846 . Matt, dull surface
2209/0853 . Opaque
2209/0861 . Transparent
2209/0869 . Translucent
2209/0876 . Reflective
2209/0884 . Refractive
2209/0892 . Luminescent, fluorescent, phosphorescent
2209/10 . having mechanical properties
2209/101 . Vibration damping, energy absorption
2209/103 . Resistant to mechanical forces, e.g. shock, impact, puncture, flexion, shear, compression, tear
2209/105 . Resistant to abrasion, scratch
2209/106 . Roughness, anti-slip, abrasiveness
2209/108 . Slipping, anti-blocking, low friction
2209/12 . Permeability or impermeability properties
2209/121 . Permeability to gases, adsorption
2209/123 . Breathable
2209/125 . Non-permeable
2209/126 . Permeability to liquids, absorption
2209/128 . Non-permeable
2209/14 . having chemical properties
2209/141 . Hydrophilic
2209/142 . Hydrophobic
2209/143 . Inert, i.e. inert to chemical degradation, corrosion resistant
2209/145 . Oleophobic
2209/146 . Soilproof, soil repellent
2209/147 . Stainproof, stain repellent
2209/148 . Superabsorbing
2209/16 . having other properties
2209/1607 . Degradability
2209/1614 . Biodegradable
2209/1621 . Water-soluble, water-dispersible
2209/1628 . Dimensional stability
2209/1635 . Elasticity
2209/1642 . Hardness
2209/165 . Odour absorbing, deodorizing ability
2209/1657 . Printability
2209/1664 . 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)
2209/1671 . Resistance to bacteria, mildew, mould, fungi
2209/1678 . Resistive to light or to UV
2209/1685 . Wear resistance
2209/1692 . Weather resistance
2211/00 . Specially adapted uses
2211/02 . Agriculture
2211/04 . Belts
2211/06 . Building materials
2211/063 . Wall coverings
2211/066 . Floor coverings
2211/08 . Cleaning articles (personal care D06N 2211/24)
2211/10 . Clothing
2211/103 . Gloves
2211/106 . Footwear
2211/12 . Decorative or sun protection articles
2211/122 . Curtains
2211/125 . Awnings, sunblinds
2211/127 . Table cloth
2211/14 . Furniture, upholstery
2211/16 . Geotextiles
2211/18 . Medical, e.g. bandage, prostheses, catheter (medical patches D06N 2211/22; medical packaging D06N 2211/20)
2211/20 . Packaging
2211/22 . Patches, e.g. medical patches, repair patches
2211/24 . Personal care
2211/26 . Vehicles, transportation
2211/261 . Body finishing, e.g. headliners
2211/262 . Constructional panels
2211/263 . Cars
**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