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 B21)

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 D06N 7/0002 – D06N 7/0097
- D06N 7/04 covered by D06N 7/0002 – D06N 7/0097
- D06N 7/06 covered by D06N 7/0002 – D06N 7/0097

1/00  Linoleum, e.g. linolyn, 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

3/002 .  .  .  characterised by the substrate

3/004 .  .  .  [using ultra-fine two-component fibres, e.g.

3/006 .  .  .  [using woven fabrics]

3/009 .  .  .  [using knitted fabrics]

3/011 .  .  .  [using non-woven fabrics]

3/013 .  .  .  [using multilayer webs]

3/015 .  .  .  [using fibres of specified chemical or physical

3/018 .  .  .  [Collagen fibres or collagen on fibres]

3/002 .  .  .  [Asbestos fibres]

3/0022 .  .  .  [Glass fibres]

3/0025 .  .  .  [Rubber threads; Elastomeric fibres;

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

3/0036 .  .  .  [Polyester fibres (for elastomeric fibres

3/0038 .  .  .  {Polyolefin fibres (for elastomeric fibres

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. 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, Na$_2$CO$_3$, metal layers; Post-treatment with inorganic compounds]
to-carbon unsaturated bonds, e.g. gelatine otherwise than by reactions only involving carbon-to-carbon unsaturated bonds (D06N 3/0031 takes precedence) }, D06N 3/0031 with polyurethanes { with silicon polymers } { with polyamides } D06N 3/16 { with polyesters, polycarbonates, alkyds (oils) } { 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, 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 { e.g. fibrous top layer with resin backing, plastic naps or dots on fabrics } 7/0002 { Wallpaper or wall covering on textile basis } WARNING 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]
7/006 . . . [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 7/0066

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]
Properties of the materials

Treatments by energy or chemical effects

Corona, ionisation, electrical discharge
by wave energy or particle radiation
using flames
using vibration
using liquids, e.g. water
using gases
using heating, steam
using wave energy or particle radiation
using electromagnetic radiation, e.g. IR, UV, actinic light, laser, X-ray, gamma-ray, microwave, radio frequency
using particle radiation, e.g. ion, electron, neutron
using wave energy or particle radiation

Specially adapted uses

Decorative or sun protection articles
Cleaning articles (personal care)
Building materials
Belts
Wall coverings
Floor coverings
Cleaning articles (personal care)
Clothing
Gloves
Footwear
Decorative or sun protection articles
Curtains
Awnings, sunblinds
Table cloth
Furniture, upholstery
Geotextiles
Medical, e.g. bandage, prostheses, catheter

Specially adapted uses

Packaging
Patches, e.g. medical patches, repair patches
Personal care
Vehicles, transportation
Body finishing, e.g. headliners
Constructional panels
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