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:
   - 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

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, crinking or crushing a foam layer, e.g. Kaschiervfahren 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, 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, tearing 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 3/0095)]
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, polymides 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 3/162)]
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 (sulphurised 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 C09L 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 7/0009-7/0009 are not complete, pending reorganisation. See also D06N 7/007
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, c.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)]
are not

WARNING

Floor covering on textile basis comprising a backing, e.g. stabilizing fibrous layer, fibrous fillers

WARNING

Groups D06N 7/0063-D06N 7/0084 are not complete, pending reorganisation. See also D06N 7/0036

WARNING

Groups D06N 7/0065, D06N 7/0068 are not complete, pending reorganisation. See also D06N 7/0066

WARNING

Groups D06N 7/0065, D06N 7/0068 are not complete, pending reorganisation. See also D06N 7/0066

WARNING

Macromolecular materials of the coating layers

Natural macro-molecular compounds or derivatives thereof

Natural rubber

Polysaccharides or derivatives thereof

Cellulose or derivatives thereof

Starch or derivatives thereof

Macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds

Polyacrylic

Polyolefin (co)polymers

Fluoropolymers

Vinyl (co)polymers

Aromatic vinyl (co)polymers, e.g. styrene

Polyvinylchloride (co)polymers

Polyvinyl chloride (co)polymers

Macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds

Polymers

Polycarbonates

Polyamides

Silicon polymers

Polyurethanes

Bituminous material, e.g. asphalt, bitumen

Condition, form or state of the materials

Dispersion

Emulsion, aqueous dispersion, latex
Properties of the materials

Treatments by energy or chemical effects

Specially adapted uses
2211/261 . . . Body finishing, e.g. headliners
2211/262 . . . Constructional panels
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