COOPERATIVE PATENT CLASSIFICATION

TEXTILES; PAPER

TEXTILES OR FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR

INDEXING SCHEME ASSOCIATED WITH SUBLASSES OF SECTION D, RELATING TO TEXTILES

NOTES
1. This subclass constitutes a scheme for indexing only.
2. The indexing codes of this subclass, relating to the chemical constitution of the fibrous materials, are to be associated with groups of section D, with the exception of those of subclass D06M, as far as these groups themselves do not give information about the chemical nature of the fibres.
3. In a number of fields, the indexing codes relating to the chemical constitution of the fibrous materials are not allotted to documents having an abstract in which the chemical constitution is clearly stated, e.g. if the abstract mentions “polyamide”, code D10B 2331/021 is not allotted.
4. Blends of fibres are indexed according to each constituent fibre.

2101/00 Inorganic fibres
2101/02 . based on oxides or oxide ceramics, e.g. silicates
2101/04 . Asbestos
2101/06 . Glass
2101/08 . Ceramic
2101/10 . based on non-oxides other than metals
2101/12 . Carbon; Pitch
2101/122 . Nanocarbons
2101/14 . Carbides; Nitrides; Silicides; Borides
2101/16 . Silicon carbide
2101/20 . Metallic fibres

2201/00 Cellulose-based fibres, e.g. vegetable fibres
2201/01 . Natural vegetable fibres
2201/02 . Cotton
2201/04 . Linen
2201/06 . Jute
2201/08 . Ramie
2201/10 . Bamboo
2201/20 . Cellulose-derived artificial fibres
2201/22 . made from cellulose solutions
2201/24 . Viscose
2201/26 . Nitrocellulose
2201/28 . Cellulose esters or ethers, e.g. cellulose acetate
2201/30 . Ethers, e.g. CMC

2211/00 Protein-based fibres, e.g. animal fibres
2211/01 . Natural animal fibres, e.g. keratin fibres
2211/02 . Wool
2211/04 . Silk
2211/06 . Collagen fibres
2211/20 . Protein-derived artificial fibres
2211/22 . Fibroin
2211/24 . Casein
2211/26 . Globulin, e.g. groundnut protein

2321/00 Fibres made from polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds
2321/02 . polyolefins
2321/021 . polyethylene
2321/0211 . high-strength or high-molecular-weight polyethylene, e.g. dyneema, spectra
2321/022 . polypropylene
2321/04 . polymers of halogenated hydrocarbons
2321/041 . polyvinyl chloride or polyvinylidene chloride
2321/042 . polymers of fluorinated hydrocarbons, e.g. polytetrafluoroethene [PTFE]
2321/06 . polymers of unsaturated alcohols, e.g. polyvinyl alcohol, or of their acetics or ketals
2321/08 . polymers of unsaturated carboxylic acids or unsaturated organic esters, e.g. polyacrylic esters, polyvinyl acetate
2321/10 . polymers of unsaturated nitriles, e.g. polyacrylonitrile, polyvinylidene cyanide
2321/101 . . modacrylic
2321/12 . polymers of cyclic compounds with one carbon-to-carbon double bond in the side chain
2321/121 . . polystyrene

2331/00 Fibres made from polymers obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds, e.g. polycondensation products
2331/02 . polyamides (D10B 2331/08 takes precedence)
2331/021 . aromatic polyamides, e.g. aramides
2331/04 . polyesters, e.g. polyethylene terephthalate [PET]
2331/041 . derived from hydroxy-carboxylic acids, e.g. lactones
2331/042 . aromatic polyesters, e.g. vectran
2331/06 . polyethers
2331/061 . polyetherketones, polyetheretherketones, e.g. PEEK
2331/08 . polyamino acids or polypeptides
2331/10 . polyurethanes
Forming process

Details of fabric structure established in the fabric forming process

Surface features

Dissimilar front and back faces

One hairy surface, e.g. napped or raised (for pile fabrics D03D 27/00, D04B 1/02, D04B 21/02)

One smooth surface, e.g. laminated or coated

One surface including hollow piping or integrated straps, e.g. for inserts or mountings

with one or more yarns appearing predominantly on one face, e.g. plated or paralleled yarns (for pile fabrics D03D 27/00, D04B 1/02, D04B 21/02; for intarsia fabrics D04B 1/126)

Alike front and back faces

Two hairy surfaces, e.g. napped or raised (for pile fabrics D03D 27/00, D04B 1/02, D04B 21/02)

Smooth surfaces, e.g. laminated or coated

Both surfaces including hollow piping or integrated straps, e.g. for inserts or mountings

Cross-sectional features (for three-dimensional features D10B 2403/033)

Lofty fabric with equidistantly spaced front and back plies, e.g. spacer fabrics

with corrugated plies

with baggy or puckered plies

with apertures, e.g. with one or more mesh fabric plies

Lofty fabric with variably spaced front and back plies, e.g. spacer fabrics

with at least one corrugated ply

with at least one baggy or puckered ply

Fabric with at least two, predominantly unlinked, knitted or woven plies interlaced with each other at spaced locations or linked to a common internal co-extensive yarn system

Including contracting yarn, e.g. blister fabrics

Fabric incorporating additional compounds

enhancing mechanical properties

with a single array of unbent yarn, e.g. unidirectional reinforcement fabrics

including several arrays of unbent yarn, e.g. multiaxial fabrics

containing particulate matter, e.g. powder or granulate

enhancing functional properties

with electronic components, e.g. sensors or switches

Shape features

Narrow fabric of constant width

Small thickness fabric, e.g. ribbons, tapes or straps

Flat fabric of variable width, e.g. including one or more fashioned panels

Three dimensional fabric, e.g. forming or comprising cavities in or protrusions from the basic planar configuration, or deviations from the cylindrical shape as generally imposed by the fabric forming process

with one or more convex or concave portions of limited extension, e.g. domes or pouches

with gussets folding into three dimensional shape, e.g. seat covers

with tubular portions of variable diameter or distinct axial orientation

Wearing apparel

Underwear

Hosiery; Panti-hose

Outerwear; Protective garments

Gloves

Headwear

Footwear

Fur garments; Garments of fur substitutes

Neckties

Details of garments

Piped openings (pockets)

Buttonholes

Fasteners

Slide fasteners

of the touch-and-close type

Domestic or personal

Curtains

Inside roller shades or blinds

Floor or wall coverings; Carpets

Carpet backings

Primary backings for tufted carpets

Bed linen

Fitted bedsheets

Wigs
2503/10 Umbrellas

2505/00 Industrial
2505/02 Reinforcing materials; Prepregs
2505/022 for tyres
2505/04 Filters
2505/06 Packings, gaskets, seals
2505/08 Upholstery, mattresses
2505/10 Packaging, e.g. bags
2505/12 Vehicles (D10B 2505/08 takes precedence)
2505/122 Safety belts
2505/124 Air bags
2505/18 Outdoor fabrics, e.g. tents, tarpaulins (D10B 2507/00 takes precedence)
2505/20 for civil engineering, e.g. geotextiles
2505/202 Artificial grass
2505/204 Geotextiles

2507/00 Sport; Military
2507/02 Nets
2507/04 Sails
2507/06 Parachutes
2507/08 Balls
2507/10 Balloons

2509/00 Medical; Hygiene
2509/02 Bandages, dressings or absorbent pads
2509/022 Wound dressings
2509/024 Stiffening bandages, e.g. with plaster of Paris
2509/026 Absorbent pads; Tampons; Laundry; Towels
2509/028 Elastic support stockings or elastic bandages
2509/04 Sutures
2509/06 Vascular grafts; stents
2509/08 Hernia repair mesh