D CPC

COOPERATIVE PATENT CLASSIFICATION

D TEXTILES; PAPER

TEXTILES OR FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR

D02 YARNS; MECHANICAL FINISHING OF YARNS OR ROPES; WARPING OR BEAMING

(NOTE omitted)

D02G CRIMPING OR CURLING FIBRES, FILAMENTS, THREADS, OR YARNS; YARNS OR THREADS

NOTE

Attention is drawn to the note following the title of class D02

WARNING

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 Producing crimped or curled fibres, filaments, yarns, or threads, giving them latent characteristics (yarns per se D02G 3/00; during formation of artificial filaments, threads, or the like D01D 5/22; general aspects of chemical treatment D06M)

NOTE

In the context of this group, the terms “texturing” or “texturising” encompass curling and crimping.

1/002 . . . (by knitting, weaving or tufting, fixing and then unravelling)
1/004 . . . (by heating fibres, filaments, yarns or threads so as to create a temperature gradient across their diameter, thereby imparting them latent asymmetrical shrinkage properties)
1/006 . . . (by impinging the yarn against an uneven surface and thereby deforming it)
1/008 . . . (with provision for imparting irregular effects to the yarn)
1/02 . . . by twisting, fixing the twist and backtwisting, i.e. by imparting false twist
1/0206 . . . (by false-twisting)
1/0213 . . . [after drawing the yarn on the same machine)
1/022 . . . [while simultaneously drawing the yarn]
1/0226 . . . [multiple false-twisting]
1/0233 . . . [with real twist being imparted to the yarn before or after false-twisting]
1/024 . . . [with provision for imparting irregular effects to the yarn]
1/0246 . . . [at least some of the filaments being simultaneously broken or cut, e.g. by stretching or abrading]
1/0253 . . . [while bonding at least some of the filaments or fibres together]
1/026 . . . [in the presence of a crimp finish]
1/0266 . . . [false-twisting machines]
1/0273 . . . [threading up and starting the false-twisting machine]

1/028 . . . [by twisting or false-twisting at least two filaments, yarns or threads, fixing the twist and separating the filaments, yarns or threads]
1/0286 . . . [characterised by the use of certain filaments, fibres or yarns]
1/0293 . . . [composed, at least in part, of natural fibres]
1/04 . . . Devices for imparting false twist
1/06 . . . Spindles
1/08 . . . Rollers [or other friction causing elements]
1/082 . . . [with the periphery of at least one disc]
1/085 . . . [between crossed belts]
1/087 . . . [between the flanks of rotating discs]
1/10 . . . using knife edges, e.g. heated knife edges, for edge crimping
1/12 . . . using stuffer boxes
1/122 . . . [introducing the filaments in the stuffer box by means of a fluid jet]
1/125 . . . [including means for monitoring or controlling yarn processing]
1/127 . . . [including drawing or stretching on the same machine]
1/14 . . . using grooved rollers or gear-wheel-type members
1/16 . . . using jets or streams of turbulent gases, e.g. air, steam [(interlacing filaments D02J 1/08)]
1/161 . . . [yarn crimping air jets]
1/162 . . . [with provision for imparting irregular effects to the yarn]
1/164 . . . [in the presence of a liquid, e.g. a crimp finish]
1/165 . . . [characterised by the use of certain filaments or yarns]
1/167 . . . [including means for monitoring or controlling yarn processing]
1/168 . . . [including drawing or stretching on the same machine]
1/18 . . . by combining fibres, filaments, or yarns, having different shrinkage characteristics [(D02G 1/004 takes precedence)]
NOTE
In this main group, further classification in indexing scheme D10B for aspects relating to yarns is required.

3/20 . . Combinations of two or more of the above-mentioned operations or devices; After-treatments for fixing crimp or curl

3/205 . . (After-treatments for fixing crimp or curl)

3/00 Yarns or threads, e.g. fancy yarns; Processes or apparatus for the production thereof, not otherwise provided for (for producing crimped or curled yarns D02G 1/00)

NOTE

D02G

3/288 . . . . [with same direction of twist, but with an amount of twist varying along the thread]

3/30 . . . . Crêped or other highly-twisted yarns or threads

3/32 . . . . Elastic yarns or threads (: Production of plied or cored yarns, one of which is elastic)

3/322 . . . . [using hollow spindles (details of spindles, e.g. bearings D01H 7/86)]

3/324 . . . . [using a drawing frame]

3/326 . . . . [the elastic properties due to the construction rather than to the use of elastic material]

3/328 . . . . [containing elastane]

3/34 . . . . Yarns or threads having slubs, knops, spirals, loops, tufts, or other irregular or decorative effects, i.e. effect yarns ([carding machines for producing decorative or fancy effects in products D01G; drafting machines with varying draft according to a pre-arranged pattern D01H 5/36)]

3/343 . . . . [using hollow spindles (details of spindles, e.g. bearings D01H 7/86)]

3/346 . . . . [with coloured effects, i.e. by differential dyeing process]

3/36 . . . . Cored or coated yarns or threads ([D02G 3/34, D02G 3/40 take precedence]; elastic yarns or threads D02G 3/32)

3/362 . . . . [using hollow spindles (details of spindles, e.g. bearings D01H 7/86)]

3/365 . . . . [around which a reel supporting feeding spool rotates]

3/367 . . . . [using a drawing frame]

3/38 . . . . Yarns in which fibres, filaments, or yarns are wound with other yarns or filaments, [e.g. wrap yarns, i.e. strands of filaments or staple fibres are wrapped by a helically wound binder yarn; (D02G 3/32 takes precedence)]; (covering endless core threads with fibres by using open-end spinning techniques D01H 4/00)

3/385 . . . . [using hollow spindles, e.g. making coverspun yarns]

3/40 . . . . Yarns in which fibres are united by adhesives; Impregnated yarns or threads

3/402 . . . . [the adhesive being one component of the yarn, i.e. thermostplastic yarn]

3/404 . . . . [Yarns or threads coated with polymeric solutions]

3/406 . . . . [where the polymeric solution is removable at a later stage, e.g. by washing]

3/408 . . . . [Flocked yarns]

3/42 . . . . Chenille threads

3/44 . . . . Yarns or threads characterised by the purpose for which they are designed ([protective gloves A41D 19/00; protective clothing A62B 17/00; ropes D07B 1/02])

3/441 . . . . [Yarns or threads with antistatic, conductive or radiation-shielding properties (electroconductive, anti-static or radiation-shielding filaments D01F 1/09, D01F 1/106; anti-static fabrics D03D 15/0005; conducting, insulating or anti-static layers for floor coverings D06N 7/0042)]

3/442 . . . . [Cut or abrasion resistant yarns or threads]

3/443 . . . . [Heat-resistant, fireproof or flame-retardant yarns or threads (fire- or flame-proof filaments D01F 1/07; woven fabrics using heat-resistant or fireproof threads D03D 15/12)]
3/444 . . {Yarns or threads for use in sports applications (strings for tennis rackets A63B 51/02)}
3/445 . . {Yarns or threads for use in floor fabrics (floor fabrics A47G 27/00; floor coverings on textile basis D06N 7/0005)}
3/446 . . {Yarns or threads for use in automotive applications}
3/447 . . {Yarns or threads for specific use in general industrial applications, e.g. as filters or reinforcement}
3/448 . . {Yarns or threads for use in medical applications (D02G 3/449 takes precedence; surgical suture materials A61L 17/00)}
3/449 . . {Yarns or threads with antibacterial properties (filaments containing agents inhibiting growth of microorganisms D01F 1/103)}
3/46 . . Sewing-cottons or the like
3/48 . . Tyre cords (tyre reinforcements B60C 9/00; metal cords for reinforcing rubber or plastic articles D07B 1/0606)