

D02J

FINISHING OR DRESSING OF FILAMENTS, YARNS, THREADS, CORDS, ROPES OR THE LIKE (curling or crimping D02G; by treatment with liquids, gases or vapours D06B; finishing other than by liquid treatment, of yarns in warp or sheet form D06C; for chemical matters, see D06L, D06M, D06P, D06Q; treatment during rope-making, apparatus for treating ropes auxiliary to rope-making D07B)

Definition statement

This subclass/group covers:

Changing the physical characteristics or properties of filaments, yarns, threads, cords, ropes or the like

Relationship between large subject matter areas

There maybe an overlap with [D02G 1/00](#); crimping and curling of fibres, filaments and yarns. For chemical matters, see [D06L](#), [D06M](#), [D06P](#), [D06Q](#); treatment.

References relevant to classification in this subclass

This subclass/group does not cover:

Producing crimped or curled fibres, filaments, yarns or threads, giving them latent characteristics	D02G 1/00
Treatment with liquids, gases or vapours	D06B
Finishing other than by liquid treatment, of yarns in warp or sheet form	D06C
Chemical bleaching, dry-cleaning or washing fibres, threads, yarns, fabrics	D06L
Dyeing or printing textiles	D06P
Decorating textiles	D06Q
Treatment during rope-making, apparatus for treating ropes auxiliary to rope-making	D07B

Details of, or auxiliary devices incorporated in rope-making machines for softening, lubricating or impregnating ropes or component strands thereof	D07B 7/12
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Informative references

Attention is drawn to the following places, which may be of interest for search:

Treatment, not provided for elsewhere in class D06, of fibres, threads, yarns, fabrics, feathers or fibrous goods made from such materials	D06M
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Glossary of terms

In this subclass/group, the following terms (or expressions) are used with the meaning indicated:

Bulking	making the filaments and yarns more voluminous by changing the structure
Slub	a thick lumpy knot along the length of the yarn
Drawing	stretching and elongating the yarns or filaments
Draft	the amount to which the yarn or filament is drawn
Fibre	a relatively-short, elongated member of natural or artificial material
Filament	an endless or quasi-endless, elongated member of natural (e.g. silk) or artificial material
Yarn	a unitary assembly of fibres, usually produced by spinning
Thread	an assembly of yarns or filaments,

	usually produced by twisting
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D02J 1/00

Modifying the structure or properties resulting from a particular structure; Modifying, retaining, or restoring the physical form or cross-sectional shape, e.g. by use of dies or squeeze rollers (modifying only the surface D02J3/00)

D02J 3/00

Modifying the surface

Definition statement

This subclass/group covers:

Apparatuses and methods for treatments of finishing of filaments, yarns, threads, cords, ropes or the like by modifying the surface, e.g. by mechanical action through abrading or indenting the surface.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Apparatuses and methods for treatments modifying, retaining, or restoring the physical form or cross-sectional shape, e.g. by use of dies or squeeze roller	D02J 1/00
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D02J 3/02

by abrading, scraping, scuffing, cutting, or nicking (preliminary roughening of fibres, e.g. for spinning, D01G3/00)

Informative references

Attention is drawn to the following places, which may be of interest for search:

Treatments for modifying the surface of textile fabrics by abrading, napping, teasing, etc	D06C 11/00
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Glossary of terms

In this subclass/group, the following terms (or expressions) are used with the meaning indicated:

Scuffing	an abrasive wear
Nicking	is an abrasive wear by small cuts

D02J 3/18

Treating with particulate, semi-solid, or solid substances, e.g. wax (during package formation B65H71/00; waxing yarns or the like as incidental measures during spinning or twisting D01H13/30)

References relevant to classification in this group

This subclass/group does not cover:

Waxing filamentary material as additional measures during package formation	B65H 71/00
Waxing yarns in twisting or spinning machines	D01H 13/308

D02J 7/00

Cleaning, e.g. removing dust, loose fibres, charred ends (in combination with the shearing, singeing, or otherwise removing of projecting fibre ends D02J3/12, D02J3/14, D02J3/16)

Informative references

Attention is drawn to the following places, which may be of interest for search:

Physical treatment of artificial filaments or the like during manufacture, i.e. during a continuous production process before the filaments have been collected	D01D 10/00
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D02J 11/00

Combinations, not covered by any one of the preceding groups, of processes provided for in such groups; Plant for carrying-out such combinations of processes

D02J 13/00

Heating or cooling the yarn, thread, cord, rope, or the like, not specific to any one of the processes provided for in this subclass (heating, cooling or drying during spinning or twisting see D01H; drying of yarns or the like, in general see F26B)