

# CPC COOPERATIVE PATENT CLASSIFICATION

**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](#))

## NOTE

Attention is drawn to the note following the title of Class [D02](#).

<b>1/00</b>	<b>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</b> (modifying only the surface <a href="#">D02J 3/00</a> )	3/12	• by removing projecting ends of fibres
		3/14	• • by shearing
		3/16	• • by singeing
		3/18	• Treating with particulate, semi-solid, or solid substances, e.g. wax (during package formation <a href="#">B65H 71/00</a> ; waxing yarns or the like as incidental measures during spinning or twisting <a href="#">D01H 13/30</a> )
1/02	• Bulking, e.g. looping (by crimping, by curling <a href="#">D02G</a> )		
1/04	• Compacting		
1/06	• Imparting irregularity, e.g. slubbing or other non-uniform features, e.g. high- and low-shrinkage or strengthened and weakened sections	<b>7/00</b>	<b>Cleaning, e.g. removing dust, loose fibres, charred ends</b> (in combination with the shearing, singeing, or otherwise removing of projecting fibre ends <a href="#">D02J 3/12</a> , <a href="#">D02J 3/14</a> , <a href="#">D02J 3/16</a> )
1/08	• Interlacing constituent filaments without breakage thereof, e.g. by use of turbulent air streams		
1/12	• Modifying stretch/bulk properties of textured yarns or the like by after-treatment	<b>11/00</b>	<b>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</b>
1/14	• Rendering uniform or evening non-uniform features		
1/16	• Rubbing or similar working, e.g. to redistribute or remove fibres	<b>13/00</b>	<b>Heating or cooling the yarn, thread, cord, rope, or the like, not specific to any one of the processes provided for in this subclass</b> (heating, cooling or drying during spinning or twisting <a href="#">D01H</a> ; drying of yarns or the like, in general <a href="#">F26B</a> )
1/18	• Separating or spreading		
1/20	• Stressing or stress-relieving, e.g. by vibration or subjection to electrostatic stress or electric discharge		
1/22	• Stretching or tensioning, shrinking or relaxing, e.g. by use of overfeed and underfeed apparatus, or preventing stretch (stretch spinning <a href="#">D01D 5/12</a> )	13/001	• {in a tube or vessel}
		13/003	• {by contact with at least one stationary surface, e.g. a plate}
1/221	• • {Preliminary treatments}	13/005	• {by contact with at least one rotating roll}
1/222	• • {Stretching in a gaseous atmosphere or in a fluid bed}	13/006	• {in a fluid bed (stretching in a fluid bed <a href="#">D02J 1/222</a> )}
1/223	• • {Stretching in a liquid bath}		
1/224	• • {Selection or control of the temperature during stretching}	13/008	• {with elimination of fumes}
1/225	• • {Mechanical characteristics of stretching apparatus}		
1/226	• • • {Surface characteristics of guiding or stretching organs}		
1/227	• • {Control of the stretching tension; Localisation of the stretching neck; Draw-pins}		
1/228	• • {Stretching in two or more steps, with or without intermediate steps}		
1/229	• • {Relaxing (in combination with crimping <a href="#">D02G 1/20</a> )}		
<b>3/00</b>	<b>Modifying the surface</b>		
3/02	• by abrading, scraping, scuffing, cutting, or nicking (preliminary roughening of fibres, e.g. for spinning, <a href="#">D01G 3/00</a> )		
3/04	• by brushing		
3/06	• by polishing, e.g. glazing, glossing		
3/08	• • by compressing, e.g. by calendering or ironing		
3/10	• by indenting		