

29 Textile fibres**29a Mechanical liberation of fibres****29b Chemical production of textile fibres and threads, and their preparation for further textile treatment****29a Mechanical liberation of fibres**

29a-1 Liberation of plant fibres from seeds, e.g. ginning of cotton and other seed fibres

Liberation of plant fibres from stalks and leaves

29a-1/01 Seed removal (ripping) and stalk breaking

29a-1/02 Scutching the fibre

29a-1/03 Liberation of stalk fibres by breaking, scutching, etc., in continuous process

29a-1/04 Liberation of fibres from leaves (depulping)

29a-3 Hackling

29a-4 Devices for retting and drying of flax, hemp, and similar fibres

29a-5 Liberation of fibres from peat

Manufacture of artificial silk (chemical methods 29b-3)

29a-6/01 Manufacture of artificial silk by utilising a precipitant (wet-spinning) without special stretching

29a-6/02 Manufacture of artificial silk by utilising a precipitant (wet-spinning) special stretching

29a-6/03 Manufacture of artificial silk without the use of a precipitant (dry spinning)

29a-6/04 Manufacture of porous artificial silk

29a-6/05 Manufacture of staple fibres

29a-6/06 Miscellaneous methods and devices for the manufacture of artificial silk and similar synthetic fibres

29a-6/07 Manufacture and subsequent treatment of artificial silk in continuous process

29a-6/08 Subsequent treatment of artificial silk in separate processes (for finished artificial silk 8a-8, 8a-11, 8a-13, 8a-15, 8a-25/01; twisting 76c-4, 76c-24; re-reeling 76d)

29a-6/09 Manufacture of fibres coated with artificial silk materials

29a-6/10 Spinnerets and spinning nozzles for the manufacture of artificial silk

29a-6/11 Devices for the regulation of the flow of the solution in artificial silk spinning machines (spinning pumps 59a, 59e)

29a-6/12 Filters and devices for the removal of air from the solution

29a-6/13 Winching devices, e.g. bobbins, reels, bobbin holders, used in the manufacture of artificial silk (76d-14; 76d-15; 76d-17; 76d-18; 76c-30/01; 76c-30/02)

29a-6/14 Spinning boxes and drives therefor used in artificial silk manufacture

29a-6/15 Thread guiding devices for artificial silk spinning machines, also funnels for spinning boxes, acidification troughs and the like (76d-6; 76c-10/01)

29a-6/20 Manufacture of threads or fibres with crimped or wool-like structure

29a-6/30 Manufacture of artificial threads, fibres or bristles by melt spinning, in general

29a-6/31 Manufacture of artificial threads, fibres or bristles from organic substances by melt spinning

29a-7 Miscellaneous methods and devices for the mechanical liberation of textile fibres

29b Chemical production of textile fibres and threads, and their preparation for further textile treatment

29b-1/01 Chemical treatment and cleaning of raw wool

29b-1/03 Chemical treatment and cleaning of natural silk

29b-1/06 Chemical treatment and cleaning of other animal textile fibres

- 29b-1/10 Manufacture of textile fibres from animal hide, flesh or leather waste (materials obtained from animal hide, flesh or leather waste without special binders 39b-26/01; bleaching and washing of animal textile fibres 8i)
- 29b-2/01 Chemical liberation and cleaning of plant stalk fibres, especially of bast fibres
- 29b-2/04 Bacterial retting processes
- 29b-2/06 Liberation and cleaning of other plant fibres
- 29b-2/10 Production of textile fibres from wood (bleaching and washing of plant textile fibres 8i, 55c-1)
- 29b-3/10 Production of artificial filaments or fibres from solutions of cellulose in sulfuric acid, zinc chloride and other cellulose solvents, excluding those mentioned under 29b-3/20 and 29b-3/40
- 29b-3/15 Production of artificial filaments or fibres from inorganic raw materials (mechanical part 29a-6/30, 32a-25, 32a-37/00)
- 29b-3/18 Production of artificial filaments or fibres from monofilaments or fibres, such as cellulose, leather fibres, wood and cotton, utilising solutions of cellulose or cellulose derivatives or other liquids as binders, adhesives or coatings (rubber in conjunction with textile fibres 39b-5/18; sizing and preparing filaments 8k-1/01)
- 29b-3/20 Production of artificial filaments or fibres from viscose - wet spinning
- 29b-3/22 Production of artificial filaments or fibres from viscose - dry spinning
- 29b-3/24 Production of hollow viscose filaments
- 29b-3/26 Production of spin-dyed viscose filaments or fibres
- 29b-3/28 Recovery of the chemicals utilised in the production of artificial viscose filaments or fibres
- 29b-3/30 Production of artificial filaments or fibres from all kinds of cellulose derivatives (complete esterification or etherification of regenerated cellulose fibres while retaining the fibre form 12o-6)
- 29b-3/40 Production of cuprammonium artificial filaments or fibres, and preparation of cuprammonium-cellulose solutions therefor
- 29b-3/45 Recovery of the chemicals and heat utilised in the cuprammonium process
- 29b-3/50 Production of artificial filaments or fibres from casein (preparation of proteins 53i)
- 29b-3/55 Production of artificial filaments or fibres from silk fibroin solutions
- 29b-3/57 Production of artificial filaments or fibres from other animal or plant proteins (production of artificial intestines, chemical part 53c-3/02, mechanical part 66b-15)
- 29b-3/60 Production of artificial filaments or fibres from crystalline superpolymers, such as polyesters and polyamides; melting and wet spinning processes
- 29b-3/65 Production of artificial filaments or fibres from other kinds of resins, and improvement thereof during the process of their production (rubber filaments 39b-5/15)
- 29b-3/70 Miscellaneous processes for the production of artificial filaments or fibres
- 29b-4 Processes and devices for carbonising textile fibres
- 29b-5/01 Preparation of natural and artificial fibres for spinning by greasing, greasing agents, spinning oils (sizing and preparing threads and yarns 8k-1/01; impregnating to make water-repellent and fireproof 8k-3, 8k-4)
- 29b-5/04 Preparation of natural and artificial fibres for spinning by chemical or mechanical surface treatment, curling, surface roughening, electrostatic charge prevention (thread, yarn, fabric, and hosiery improving by chemically altering the substance of the fibre surface 8k-1/30)
- 29b-5/06 Other processes for the treatment of natural and artificial fibres, surface saponification of cellulose ester spun fibres, characterisation of textile fibres, etc. (saponification of cellulose-acetate artificial silk 8k-1/40. finishing 8k-1/08; dyeing 8m)
- 29b-5/08 Chemical preparation of natural and artificial textile fibres for felting by mordanting agents therefor (mordanting threads, yarns, fabrics and hosiery 8k-5; mordanting for dyeing and cloth printing 8m)
- 29b-6 Processes for conditioning silk and other textile fibres (devices for conditioning 8b-13)