

Title (en)
CELLULOSE FIBRES

Title (de)
CELLULOSEFASER

Title (fr)
FIBRES CELLULOSIQUES

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Application
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Abstract (en)
[origin: WO9502082A1] The invention concerns a method of manufacturing cellulose fibres by extruding a solution of cellulose in a tertiary-amine oxide through the holes of a spinneret and passing the extruded filaments under tension through an air gap and into a regenerating bath. The method is characterized in that it is carried out in such a way that the maximum value of the mathematical expression $51.4 + 0.033 \times D + 1937 \times M < 2 > - 7.18 \times T - 0.094 \times L - 2.50 \times F + 0.045 \times F < 2 >$ in which D is the spinneret-hole diameter in μm , M is the spinning-solution throughput per hole in g/min, T is the titre of a single filament in dtex, L is the length of the air gap in mm and F is the humidity of the air in the air gap in g of water per kg of air, is 10, with the provision that the length of the air gap is greater than 30 mm. This method gives cellulose fibres with a very low tendency to fibrillation.

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