

Title (en)

Method and device for fibrillating easily fibrillated cellulose fibres, particularly tencel fibres

Title (de)

Verfahren und Vorrichtung zum Fibrillieren von leicht fibrillierbaren Cellulosefasern, insbesondere von Tencel-Fasern

Title (fr)

Procédé et dispositif de fibrillation de fibres cellulosiques facilement fibrillables, notamment de fibres tencel

Publication

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Application

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Priority

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Abstract (en)

[origin: EP0806512A1] Fibrillating a web of textile fabric (3) containing cellulose fibres, particularly Lyocell (RTM) fibres, comprises using a high-velocity stream of fluid impinging on the spread-out web and accelerating it to strike against an impact surface (13, 16). This procedure is repeated as often as needed till the fibre surface regions split and form fibrils. Also claimed is the apparatus for implementing the process of fibrillating web as above, in particular Tencel (RTM) fibres. The web is accelerated by the flowing fluid in a guiding gap (7) which is bounded on at least one side by a jet (9a, 9b, 10a, 10b) which has a fluid feed channel (12) and, on two opposite sides, a nozzle-like gap exit (10a, 10b) which narrows towards the guide gap. There is a valve (11) which closes each of the exits alternately.

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CPC (source: EP US)

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Cited by

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