

Title (en)

Method and apparatus for the fine cleaning of textile fibres

Title (de)

Verfahren und Vorrichtung zur Feinreinigung von Textilfasern

Title (fr)

Procédé et appareil pour le nettoyage fin des fibres textiles

Publication

**EP 0419415 B1 19990804 (DE)**

Application

**EP 90810706 A 19900918**

Priority

- CH 281290 A 19900829
- CH 298090 A 19900913
- CH 298190 A 19900913
- CH 345289 A 19890921

Abstract (en)

[origin: EP0419415A1] The method is characterised in that a fibre lap, as a result of a fibre-dependent drawing between a nip of the feed device, in which the fibre lap is compressed and nipped with an adjustable nipping force, and a fibre take-over point on the opening roller, at which the opening roller takes over the fibres, is brought into a stretched fibre state and then exposed to a centrifugal force and is subsequently so guided past separating blades, the centrifugal force being maintained, that the edge-surface zone having impurities enriched as a result of drawing and centrifuging is separated off. The cleaning steps of predrawing and separation can be followed by further cleaning steps and a transposition step. <??>The apparatus is such that the feed means has a nipping device with an adjustable and displaceable nip, from which the lap is taken over by the opening roller (24) at a take-over point by plucking, and the take-over point is followed on the circumference of the opening roller (24) in the direction of transport by a separating means having an arrangement of separating blades (49.1, 49.2). <IMAGE>

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CPC (source: EP US)

**D01G 9/14** (2013.01 - EP US); **D01G 9/20** (2013.01 - EP US)

Citation (examination)

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- US 2827667 A 19580325 - MOSS HOYLE G
- US 4102017 A 19780725 - FOERSTER JOHN E

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