

Title (en)

METHOD AND DEVICE FOR ORIENTING INDIVIDUAL FIBRES AND/OR FILAMENTS PRESENT IN A WEB

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ORIENTIERUNG DER, IN EINEM VLIESTOFF BEFINDLICHEN, FASER ODER DER INDIVIDUELLEN FILAMENTEN

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT L'ORIENTATION DE FIBRES ET/OU FILAMENTS INDIVIDUELS PRESENTS DANS UN VOILE

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Abstract (en)

[origin: WO0104404A1] The invention concerns a method for obtaining adequate orientation of elements constituting a web, such as fibres and/or filaments, for example derived from a card, characterised in that it consists in: subjecting the fibre to a pre-looping step produced by the interpenetration of a first set of looping discs (11) borne on a common transverse shaft (10) and continuously driven in rotation at a first speed (V1), and of a first set of fixed looping elements (12), the set of looping discs (11) and the set of looping elements (12) having a predetermined gauge (j) so as to cause the fibres and/or filaments to be pre-looped with an undulating value or interval (j). retaining with blocking means said fibres and/or filaments at regular intervals by a length (n x j) where n is an integer ranging between 2 and 20; allowing the pre-looped fibres and/or filaments to expand so as to produce large undulations having an undulating value or interval (n x j); and spreading by simple drawing the pre-looped fibres and/or filaments over an undulation value or interval (n x j). The present invention also concerns a device for implementing said method.

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