

Title (en)
COMBING DEVICE FOR COMBING A FIBROUS MATERIAL

Title (de)
KÄMMVORRICHTUNG ZUM KÄMMEN EINES FASERMATERIALS

Title (fr)
DISPOSITIF DE PEIGNAGE DESTINÉ À UNE MATIÈRE FIBREUSE

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Abstract (en)
[origin: WO2010012112A1] The invention relates to a combing device for combing a fibrous material (F), which is supplied to a clamping assembly (1) that is supported in a machine frame (MS) and has a lower and upper clamping plate (2, 3), wherein the upper clamping plate (3) is movably supported with respect to the lower clamping plate (2) so as to form a clamping point (KS) and is pressurized by a loading unit (B1, B2) so as to produce a clamping force, and furthermore is provided with a feeding means (5) for supplying the fibrous material (F) to the clamping point (KS) of the clamping assembly, with which beneath thereof a combing cylinder (16) is associated that is rotatably supported in the machine frame (MS) and provided with at least one combing segment (19) on the periphery thereof, and wherein said plate is also provided with a tear-off means (8) associated with the clamping assembly. In order to enable an increase in the nipping speed, according to the invention the upper clamping plate (3) is provided with guide elements (12), which are guided on cam disks (14) for the direct control of the movement thereof, said disks being fastened non-rotatably to the rotation axis (7) of the combing cylinder (16) and the position of the lower clamping plate (2) remaining constant during a nip - as viewed in the direction of the tear-off means (8).

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