

Title (en)

DEVICE FOR PRESSURE LOADING THE PULL-OFF ROLLER OF A COMBING MACHINE

Title (de)

VORRICHTUNG ZUR DRUCKBELASTUNG DER ABREISSWALZE EINER KÄMMVORRICHTUNG

Title (fr)

DISPOSITIF DE CHARGE DE PRESSION DU CYLINDRE D'ARRACHAGE D'UN DISPOSITIF PEIGNEUR

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Application

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Abstract (en)

[origin: WO2010045747A1] The invention relates to a combing device for combing a fibre material which is supplied to a gripper unit mounted in a machine frame (MS), said gripper unit comprising a lower gripper plate and an upper gripper plate (2, 3), the upper gripper plate being mounted in such a way that it can move in relation to the lower gripper plate (2) in order to form a clamping point (KS), and being acted upon by a loading device in order to generate a clamping force. A feeding means (5) is provided for supplying the fibre material (F) to the clamping point (KS) of the gripper unit, and a combing roller rotatably mounted in the machine frame (MS) is arranged beneath the gripper unit, said combing roller being provided with at least one combing segment (19) and a pull-off segment (20) on the periphery thereof. A pull-off roller (8) that can be acted upon by a loading means (B1, B2) can be moved towards the pull-off segment in order to form a nip line (KL). In order to also be able to apply such embodiments to combing machines with a large amount of combing play and avoid superproportional vibration, the load means consists of bellows cylinders (B1, B2) to which compressed air can be supplied from a compressed air source (40), one end (35) of said cylinders being applied directly or indirectly to the machine frame (MS) and the other end (30) being applied to a receiving element (10) in which the pull-off roller is rotatably mounted.

IPC 8 full level

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