

Title (en)  
COMBING MACHINE

Title (de)  
KÄMMMASCHINE

Title (fr)  
PEIGNEUSE

Publication  
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Application  
**EP 15738482 A 20150702**

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Abstract (en)  
[origin: WO2016012888A1] The invention relates to a combing machine (1), comprising at least one combing unit (X1 - X16) for combing out fiber material (Z), which is fed to the combing unit in a conveying direction (F), wherein the combing unit has a nipper unit (10), which comprises a lower nipper plate (2) and an upper nipper plate (3) supported movably in relation to the lower nipper plate, and the lower nipper plate (2) has, on a top side thereof, a feed trough (19) with a feeding surface (ZF) arranged upstream, wherein a rotatably supported feed cylinder (9) protrudes into the feed trough, by means of which feed cylinder the fiber material (Z) is fed over a front guiding surface (VF) of a nipper lip (5) attached at the front end of the lower nipper plate (2), which front guiding surface follows the feed trough. In order to improve the accessibility to the top side of the lower nipper plate and of the combing cylinder rotatably supported below the nipper, according to the invention - as viewed against the conveying direction (F) of the fiber material (Z) - a rear guiding surface (HF) adjoins the feeding surface (ZF) to the feed trough (19), wherein the feeding surface (ZF) and the rear guiding surface (HF) form an obtuse angle  $\beta$  and - as viewed in the conveying direction (F) of the fiber material (Z) - the rear guiding surface (HF) extends in a falling manner at an angle  $\alpha \geq 35^\circ$  in relation to a horizontal plane (E).

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