

Title (en)  
Combing machine

Title (de)  
Kämmaschine

Title (fr)  
Machine de peignage

Publication  
**EP 0452677 B1 19970122 (DE)**

Application  
**EP 91103937 A 19910314**

Priority  
CH 127390 A 19900414

Abstract (en)  
[origin: EP0452677A1] The invention relates to a combing machine having a gripper unit (1) which presents the fibre tuft (18) of a lap (16) for combing out (20). The gripper consists of a lower gripper (2) and of an upper gripper (3) which is articulated pivotably on the lower gripper and which is equipped, in the region of the nip (17) for the lap, with a gripper lip engaging over the front end face (31) of the lower gripper. In practice, there is the requirement for the combing out of ever greater lap weights and therefore thicker lap webs. Consequently, when conventional grippers are used, the nip becomes larger, as does also therefore the distance between the lower edge (33) of the gripper lip (30) and the enveloping circle (29) of the comb segment (19), with the result that a poor combing-out effect is obtained. <??>For combing out thick lap webs, it is therefore proposed that, with the gripper completely closed, the distance (A) between the gripper lip and the round-comb axis (6) be smaller than the radius (R1) of the enveloping circle of the comb segment (19). It is proposed to limit the pivoting movement of the upper gripper (3) by means (25, 26, 35, 40, 43) which guarantee a safety distance (Z) in the nipping position of the gripper (1). <IMAGE>

IPC 1-7  
**D01G 19/16**

IPC 8 full level  
**D01G 19/10** (2006.01); **D01G 19/16** (2006.01)

CPC (source: EP US)  
**D01G 19/16** (2013.01 - EP US)

Cited by  
EP3263751A1; EP0726339A1; EP0816540A1; DE19504134A1; DE19504134C2; EP0558441A1; CN1038699C; WO2004088012A1

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