

Title (en)  
A carding machine for preparing randomized webs for non-woven fabric

Title (de)  
Karde zur Vorbereitung von randomisierten Vliesen für Vliesstoffe

Title (fr)  
Carde pour la préparation de nappes aléatoires pour tissus non-tissés

Publication  
**EP 1371760 A1 20031217 (EN)**

Application  
**EP 03012991 A 20030609**

Priority  
IT TO20020485 A 20020610

Abstract (en)  
A carding machine for preparing randomized webs for non-woven fabrics includes a final swift (1), at least two combing cylinders (2a, 2b), a randomiser cylinder (3) which releases by condensing a web of randomized fibres coming from each combing cylinder (2a, 2b), a doffer cylinder (4) which takes a randomized web from each randomiser cylinder (3), a final, perforated conveyor belt (6) which supplies a homogenization unit with randomized webs arranged one on top of the other coming from each doffer cylinder (4). Intermediate conveyor means (8, 9) are provided for conveying to the final conveyor (6) the web leaving the doffer cylinder or cylinders (4) which act on the webs coming from the combing cylinders (2b) arranged at greater heights than the lowest combing cylinder (2a). A plurality of finned cylinders, each driven by a variable-speed motor, control the web along its path between each doffer cylinder (4) and the final conveyor (6). The intermediate conveyor means include a pair of continuous conveyor belts (8, 9), the active portions of which are arranged one above the other and adhering to each other, the lower belt (8) being perforated. The cylinder (8a), on which the lower, perforated belt (8) is wound upstream, is arranged adjacent the respective doffer cylinder (4), whereby the randomized web leaving the doffer cylinder (4) is delivered directly between the two conveyor belts (8, 9). An oblique-finned cylinder (10) acts on the upper surface of the web along its path between the doffer cylinder (4) and the conveyor belts (8, 9). <IMAGE>

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