

Title (en)

Apparatus for removing trash from a fiber web.

Title (de)

Vorrichtung zum Ausscheiden von Schmutz aus einem Faservlies.

Title (fr)

Appareil pour éliminer des impuretés d'une toison de fibres.

Publication

**EP 0388791 B1 19940608 (DE)**

Application

**EP 90104895 A 19900315**

Priority

CH 109289 A 19890323

Abstract (en)

[origin: EP0388791A1] A card 1 has a cylinder 2, a revolving flat 3, a lick-in roller 4 and a take-off roller 5 (also called a doffer roller). <??>In order, on the one hand, to eliminate dirt and, on the other hand, to improve the carding effect of the card as a whole in the breaking zone between the lick-in 4 and the revolving flat 3, in the post-carding zone between the revolving flat 3 and the doffer 5 and in the sub-carding zone between the doffer 5 and the lick-in 4, according to the invention there is a combination of a preparation element 6, a suction device 7 and a separating knife 8 or 9. <??>According to the invention, the preparation element has a structured surface directed opposite to the cylinder surface and represented in Figure 1 as teeth pointed sharply in the direction of rotation D of the cylinder 2. <??>By means of this structured surface, on the one hand a carding effect can be obtained, and on the other hand the fleece lying on the cylinder 2 is exposed to some vibration, so that, in combination with the centrifugal force, the dirt can be eliminated more effectively on the knife 8 or 9 and removed by the suction device 7. <??>In the breaking zone between the lick-in 4 and the revolving flat 3, the knife 9 is assigned a carding bar 10, unlike the knife 8 in the post-carding and sub-carding zones which has an independent element. <??>The invention is intended to improve, on the one hand, the carding effect and, on the other hand, the elimination of dirt on a card. <??>However, the invention is not restricted to the use of the combination on a card, but can also be employed on all rollers which carry a fleece and on which dirt has to be eliminated from the fleece. <IMAGE>

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- DE 3034036 A1 19820415 - HOLLINGSWORTH GMBH [DE]
- GB 1483291 A 19770817 - HOLLINGSWORTH J

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