

Title (en)

DEVICE FOR DETECTING AND ELIMINATING FOREIGN BODIES ON A NONWOVEN FABRIC, PRODUCED BY MEANS OF A CARD

Title (de)

VORRICHTUNG ZUM ERKENNEN UND AUSSCHEIDEN VON FREMDSTOFFEN AN EINEM DURCH EINE KARDE GEBILDETEN FASERVLIES

Title (fr)

DISPOSITIF DE DETECTION ET D'ELIMINATION DE CORPS ETRANGERS SUR UN NONTISSE FORME A L'AIDE D'UNE CARDE

Publication

**EP 1432854 B1 20060201 (DE)**

Application

**EP 02774665 A 20020928**

Priority

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- EP 0210924 W 20020928
- EP 01810972 A 20011005

Abstract (en)

[origin: EP1300493A1] A continual feed of non-woven fibre fleece (2) is loosened by a drum (3) or carding machine and is released through a gap between a revolving drum and a flat surface (19). The flat surface (19) esp. has a line of venturi-driven suction apertures (20) discharging to a passage. <??>The assembly incorporates a sensor which detects the presence of foreign bodies which are removed by suction. A chicane is located in the suction passage after the venturi jet and suction outlets. The chicane prevents return of foreign bodies to the fleece web. The gap is preceded by the curved surface of the lift-off drum (15) and the flat surface (19) bridged by the fleece web.

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