

Title (en)

Method and device for transferring a fibre layer, and consolidation machine, in particular a (pre-) needling machine thus equipped

Title (de)

Verfahren und Vorrichtung zum Verschieben einer Fasermatte und damit ausgestattete Verfestigungsmaschine, insbesondere eine (Vor-) Vernadelungsmaschine

Title (fr)

Procédé et dispositif pour transférer une nappe de fibres, et machine de consolidation, en particulier (pré-)aiguilleuse ainsi équipée

Publication

EP 1790766 A1 20070530 (FR)

Application

EP 06291799 A 20061122

Priority

FR 0511868 A 20051123

Abstract (en)

A method for transfer of a fibrous non-woven sheet (17) along the length of a transfer passage at an angle to the vertical involves contacting the underside (26) of the sheet with an underlying current of air, at least part of which has a component of motion in the transfer direction (27). Independent claims are included for: (1) a non-woven sheet transfer device, having a blower for introducing a current of air in contact with the underside (26) of the sheet (17), at least part of the current having a component of motion in the transfer direction (27); and (2) a non-woven sheet consolidation machine, having a sheet inlet equipped with the transfer device.

IPC 8 full level

B65H 23/24 (2006.01); **D04H 18/00** (2012.01)

CPC (source: EP)

B65H 23/24 (2013.01); **D04H 1/732** (2013.01); **D04H 18/00** (2013.01); **D04H 18/02** (2013.01); **B65H 2406/113** (2013.01); **B65H 2701/177** (2013.01)

Citation (applicant)

- US 5031289 A 19910716 - LEROY GUY [FR], et al
- GB 1311628 A 19730328 - CURLATOR CORP
- US 2005123715 A1 20050609 - FRANZKE GERD [DE], et al

Citation (search report)

- [X] GB 1311628 A 19730328 - CURLATOR CORP
- [X] US 2005123715 A1 20050609 - FRANZKE GERD [DE], et al
- [DA] US 5031289 A 19910716 - LEROY GUY [FR], et al
- [A] US 6385825 B1 20020514 - WANG SHOCI-CHYUAN [TW], et al

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WO2018162624A1; CN109281058A; FR3026113A1; FR3063742A1

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