

Title (en)

Device and process for needling nonwoven fabrics to produce an insulation mat

Title (de)

Vorrichtung und Verfahren zum Nadeln von Faservliesen zur Herstellung einer Dämmatte

Title (fr)

Dispositif et procédé d'aiguilletage de matériaux non-tissés en vue de fabriquer une nappe fibreuse isolante

Publication

EP 0924329 A1 19990623 (DE)

Application

EP 98122104 A 19981121

Priority

DE 19756113 A 19971217

Abstract (en)

The non-woven (10) is produced between upper and lower plates (14,16) using reciprocating needles (20) with upward acting barbs (22). The openings (19) in the upper plate are larger than the maximum needle width, preferably in the form of a recess (18) with a hole (18a) for the needle (20). An Independent claim is also included for the process of needle-punching with this arrangement where the fibers held in the needles during the upward stroke do not come into contact with the upper plate (14).

Abstract (de)

Die Erfindung betrifft ein Verfahren und eine Vorrichtung zum Nadeln von Faservliesen zur Herstellung einer Dämmatte. <IMAGE>

IPC 1-7

D04H 18/00; **D04H 1/46**

IPC 8 full level

D04H 1/46 (2012.01); **D04H 3/115** (2012.01); **D04H 18/00** (2006.01)

CPC (source: EP)

D04H 1/46 (2013.01); **D04H 3/115** (2013.01); **D04H 18/02** (2013.01)

Citation (search report)

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AT DE IT

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