

Title (en)

Facility and method for needling a fleece web

Title (de)

Anlage und Verfahren zur Vernadelung einer Vliesbahn

Title (fr)

Installation et procédé d'aiguilletage d'une bande non tissée

Publication

EP 2025789 A1 20090218 (DE)

Application

EP 07015722 A 20070809

Priority

EP 07015722 A 20070809

Abstract (en)

A nonwoven web needling device comprises a series of needle looms (1) having a needle bar, a pair of infeed rollers, and a pair of outfeed rollers, where the needle looms can be moved along a guide (14) in the transport direction of the nonwoven web and can be locked in place at any desired distance from each other. An independent claim is included for a method for changing a stitch pattern during needling of a nonwoven web.

Abstract (de)

Die Anlage zur Vernadelung einer Vliesbahn (9) weist mehrere hintereinander angeordnete Nadelmaschinen (1) mit jeweils wenigstens einem Nadelbalken (5) und einem Paar von Zuführwalzen (10) und Abzugswalzen (11) auf. Die Nadelmaschinen (1) sind dabei in Förderrichtung der Vliesbahn (9) entlang einer Führung (14) beweglich und in beliebig bestimmbar Abständen zueinander arretierbar.

IPC 8 full level

D04H 1/46 (2012.01); **D04H 18/00** (2012.01)

CPC (source: EP US)

D04H 1/46 (2013.01 - EP US); **D04H 18/02** (2013.01 - EP US)

Citation (applicant)

EP 1644565 B1 20060809 - DILO KG MASCHF OSKAR [DE]

Citation (search report)

- [A] DE 102004043890 B3 20060420 - DILO KG MASCHF OSKAR [DE]
- [A] WO 2005033396 A1 20050414 - DILO KG MASCHF OSKAR [DE], et al
- [A] EP 1008684 A1 20000614 - MILLIKEN IND LTD [GB]
- [A] US 4170676 A 19791009 - THOMAS JAMES H [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 07015722 A 20070809; AT 07015722 T 20070809; CN 200810135459 A 20080807; DE 502007005419 T 20070809; US 18657608 A 20080806