

Title (en)

Needling machine and method of operating

Title (de)

Nadelmaschine sowie Verfahren zum Betreiben derselben

Title (fr)

Aiguilleuse et son fonctionnement

Publication

**EP 1793024 A1 20070606 (DE)**

Application

**EP 05028603 A 20051228**

Priority

- EP 05026263 A 20051201
- EP 05028603 A 20051228

Abstract (en)

The needling machine has several traversing rollers movable back and forth in axial direction during operation such that the needled product is moved transversely along the axial direction. The stroke of traversing rollers is selected from 0-15 mm, 0-12 mm or 0-10 mm. An independent claim is included for method of operating needling machine.

Abstract (de)

Die Erfindung betrifft eine Nadelmaschine, insbesondere zur Verwendung bei der Herstellung von Papiermaschinenfilzen, wobei die Nadelmaschine wenigstens eine, im Betrieb in axialer Richtung hin und her bewegbare Changierwalze aufweist. Ferner betrifft die Erfindung ein Verfahren zum Betreiben einer solcher Nadelmaschine.

IPC 8 full level

**D04H 18/00** (2012.01)

CPC (source: EP)

**D04H 18/00** (2013.01); **D04H 18/02** (2013.01)

Citation (search report)

- [X] DE 1660751 A1 19710325 - ATLAS MAK MASCHINENBAU GMBH
- [X] DE 2429016 A1 19750123 - FIBERWOVEN CORP
- [X] DE 1660785 A1 19701022 - SIEVERS KLAUS
- [X] US 3535756 A 19701027 - KUTS MATHEW, et al

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CN108677387A

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1793024 A1 20070606**; AU 2006241398 A1 20070621; BR PI0604992 A 20071009; CA 2569292 A1 20070601; JP 2007169869 A 20070705; MX PA06013867 A 20081024

DOCDB simple family (application)

**EP 05028603 A 20051228**; AU 2006241398 A 20061127; BR PI0604992 A 20061201; CA 2569292 A 20061128; JP 2006325708 A 20061201; MX PA06013867 A 20061129