Title (en)
DEVICE AND METHOD FOR PRODUCING A FIBRE WEB

Title (de)
VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINES VLIESSTOFFES AUS FASERN

Title (fr)
DISPOSITIF ET PRO CÉDÉ DE FABRICATION D'UN NON-TISSÉ DE FIBRE

Publication
EP 3771762 B1 20210616 (DE)

Application
EP 19189208 A 20190730

Priority
EP 19189208 A 20190730

Abstract (en)
[origin: CN112301553A] The invention relates to a device for producing a nonwoven fabric made of fibers, wherein at least one spinning device for spinning the fibers and an air-permeable laying conveyor for laying the fibers as a nonwoven fabric web are provided. According to the invention, at least one suction device is provided, by means of which process air can be suctioned through a laying conveyor in a main suctionregion in a fiber placement region. The main suction region is defined below the laying conveyor in the inlet region of the laying conveyor and in the outlet region of the laying conveyor by a suction partition wall, respectively. A vertical distance A between the conveyor-side end of the at least one suction partition wall and the laying conveyor is between 10 mm and 250 mm.

IPC 8 full level
D04H 3/02 (2006.01); D04H 3/14 (2012.01); D04H 3/16 (2006.01)

CPC (source: BR CN EP IL KR RU US)
D01D 5/088 (2013.01 - US); D01D 5/0985 (2013.01 - US); D01D 5/34 (2013.01 - CN); D01G 25/00 (2013.01 - US); D04H 1/00 (2013.01 - RU);
D04H 1/4291 (2013.01 - US); D04H 1/435 (2013.01 - US); D04H 3/00 (2013.01 - RU); D04H 3/002 (2013.01 - IL); D04H 3/005 (2013.01 - CN);
D04H 3/007 (2013.01 - CN); D04H 3/009 (2013.01 - CN); D04H 3/011 (2013.01 - CN); D04H 3/02 (2013.01 - CN EP); D04H 3/14 (2013.01 - EP IL);
D04H 3/16 (2013.01 - BR CN EP IL KR US); D04H 3/11 (2013.01 - BR); D10B 2321/02 (2013.01 - US); D10B 2331/04 (2013.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3771762 A1 20210203; EP 3771762 B1 20210616; AR 119513 A1 20211222; BR 102020014090 A2 20210209; CN 112301553 A 20210202;
CN 112301553 B 20221014; DK 3771762 T3 20210830; ES 2886885 T3 20211221; IL 276307 A 20210131; IL 276307 B 20220601;
JP 2021025187 A 20210222; JP 7096294 B2 20220705; KR 102518198 B1 20230404; KR 20210014602 A 20210209;
MX 2020008055 A 20211202; PL 3771762 T3 20211108; RU 2759705 C1 20211117; US 11618983 B2 20230404; US 2021032788 A1 20210204;
ZA 202004714 B 20210929

DOCDB simple family (application)
EP 19189208 A 20190730; AR P200102123 A 20200729; BR 102020014090 A 20200709; CN 202010741474 A 20200729;
DK 19189208 T 20190730; ES 19189208 T 20190730; IL 27630720 A 20200726; JP 2020120531 A 20200714; KR 20200094718 A 20200729;
MX 2020008055 A 20200730; PL 19189208 T 20190730; RU 2020123971 A 20200720; US 202016940884 A 20200728;
ZA 202004714 A 20200730