

Title (en)

DEVICE FOR MANUFACTURING NONWOVEN FABRIC MOLDED PRODUCT AND METHOD FOR MANUFACTURING SAME

Title (de)

VORRICHTUNG ZUR HERSTELLUNG EINES VLIESFASER-FORMPRODUKTS UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

DISPOSITIF PERMETTANT DE FABRIQUER UN PRODUIT MOULÉ EN TISSU NON TISSÉ ET SON PROCÉDÉ DE FABRICATION

Publication

EP 2918717 A4 20160706 (EN)

Application

EP 13853599 A 20130717

Priority

- JP 2012244646 A 20121106
- JP 2013069422 W 20130717

Abstract (en)

[origin: EP2918717A1] A nonwoven fabric web (3) is mounted on a three-dimensional molding surface (10) of a molding mold (1), and water is sprayed onto this nonwoven fabric web (3) by a water jet (2). Thus, the nonwoven fabric web (3) is pressed against the molding surface (10), and fibers (32) of the nonwoven fabric web (3) are entangled with each other while the nonwoven fabric web (3) is molded so as to conform to the three-dimensional shape of the molding surface (10), whereby a nonwoven fabric molded product (5) of a three-dimensional shape is produced.

IPC 8 full level

D04H 1/492 (2012.01); **D04H 1/495** (2012.01); **D04H 1/76** (2012.01); **D04H 18/04** (2012.01)

CPC (source: CN EP US)

D04H 1/492 (2013.01 - CN EP US); **D04H 1/495** (2013.01 - EP US); **D04H 1/76** (2013.01 - EP US); **D04H 3/018** (2013.01 - US); **D04H 18/04** (2013.01 - EP US)

Citation (search report)

- [X] EP 2302121 A1 20110330 - GROZ BECKERT KG [DE]
- [A] US 2007120277 A1 20070531 - SHORT ANDREW [US]
- [X] EP 0273454 A2 19880706 - UNI CHARM CORP [JP]
- See references of WO 2014073244A1

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 2918717 A1 20150916; **EP 2918717 A4 20160706**; CN 104769174 A 20150708; CN 104769174 B 20161207; JP 2014091893 A 20140519; JP 5596769 B2 20140924; US 2015299920 A1 20151022; WO 2014073244 A1 20140515

DOCDB simple family (application)

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