

Title (en)

DEVICE AND METHOD FOR PRODUCING A NONWOVEN COMPOSITE FABRIC

Title (de)

VORRICHTUNG SOWIE VERFAHREN ZUM HERSTELLEN EINES VLIES-GEWEBEVERBUNDES

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR LA FABRICATION D'UN TISSU COMPOSITE NON-TISSE

Publication

**EP 2665853 A1 20131127 (DE)**

Application

**EP 12702457 A 20120120**

Priority

- DE 102011009227 A 20110122
- EP 2012050857 W 20120120

Abstract (en)

[origin: WO2012098223A1] The invention relates to a device for producing a nonwoven composite fabric. A nonwoven fabric layer is applied onto a support structure layer and connected to said layer by means of water jet needling. According to the invention, the following are provided: a number of deflecting rollers (U, US) around which a support structure (S) in the form of a screen or a mesh fabric is stretched and circulated, said support structure being designed as a continuous strip; a feeding device (V1R) for a nonwoven fabric (V1), which is brought into contact with the support structure (S) and further moved in contact with same; and a device for water jet needling (D11, D12, ST1), by means of which the nonwoven fabric (V1) is connected to the support structure (S).

IPC 8 full level

**D04H 1/492** (2012.01); **D04H 1/498** (2012.01); **D04H 5/03** (2012.01); **D21F 7/08** (2006.01)

CPC (source: EP US)

**D04H 1/492** (2013.01 - EP US); **D04H 1/498** (2013.01 - EP US); **D04H 5/03** (2013.01 - EP US)

Citation (search report)

See references of WO 2012098223A1

Citation (examination)

- DE 3200030 A1 19820826 - ICHIKAWA WOOLEN TEXTILE [JP]
- US 4283454 A 19810811 - BUCHANAN ROBERT D

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)

**WO 2012098223 A1 20120726**; CN 103328709 A 20130925; DE 102011009227 A1 20120726; EP 2665853 A1 20131127; US 2013291355 A1 20131107; US 9181643 B2 20151110

DOCDB simple family (application)

**EP 2012050857 W 20120120**; CN 201280006023 A 20120120; DE 102011009227 A 20110122; EP 12702457 A 20120120; US 201213980642 A 20120120