

Title (en)

METHOD AND DEVICE FOR PRODUCING A NONWOVEN GEOTEXTILE, AND GEOTEXTILE THUS PRODUCED

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES GEOTEXTILVLIESSTOFFES UND SOMIT HERGESTELLTES GEOTEXTILMATERIAL

Title (fr)

PROCÉDÉ ET DISPOSITIF DE PRODUCTION DE GÉOTEXTILE NON TISSÉ ET GÉOTEXTILE AINSI PRODUIT

Publication

EP 2683865 A1 20140115 (FR)

Application

EP 12713217 A 20120308

Priority

- FR 1151902 A 20110308
- FR 2012050488 W 20120308

Abstract (en)

[origin: WO2012146847A1] The invention relates to a nonwoven geotextile comprising: crushed plant stems (305) having a diameter of more than 5 mm, plant stem fragments (310), and plant fibers (315) partially attached to the crushed stems, wherein the plant stems and the plant stem fragments are interwoven by means of mechanical connections produced by spraying water. In preferred embodiments, the plants comprise hemp. The device for producing such a nonwoven geotextile comprises: a means for arranging plants in a sheet comprising crushed plant stems having a diameter of more than 5 mm, plant stem fragments and plant fibers partially attached to the crushed stems; and a means for spraying water onto said sheet so as to form mechanical connections between the crushed plant stems, the plant stem fragments and the plant fibers of the sheet.

IPC 8 full level

D04H 1/425 (2012.01); **D01B 1/10** (2006.01); **D04H 1/04** (2012.01); **D04H 1/4266** (2012.01); **D04H 1/492** (2012.01); **D04H 1/74** (2006.01); **E02D 17/20** (2006.01)

CPC (source: EP US)

D01B 1/10 (2013.01 - EP US); **D04H 1/04** (2013.01 - EP US); **D04H 1/425** (2013.01 - EP US); **D04H 1/4266** (2013.01 - EP US); **D04H 1/492** (2013.01 - EP US); **D04H 1/74** (2013.01 - EP US); **D04H 3/04** (2013.01 - EP US); **D04H 5/03** (2013.01 - EP US); **E02D 17/202** (2013.01 - EP US); **Y10T 442/2008** (2015.04 - EP US); **Y10T 442/609** (2015.04 - EP US)

Citation (search report)

See references of WO 2012146847A1

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)

FR 2972462 A1 20120914; **FR 2972462 B1 20130308**; CA 2829251 A1 20121101; CA 2829251 C 20180814; EP 2683865 A1 20140115; EP 2683865 B1 20150304; ES 2538329 T3 20150619; PL 2683865 T3 20150831; US 2013344759 A1 20131226; WO 2012146847 A1 20121101

DOCDB simple family (application)

FR 1151902 A 20110308; CA 2829251 A 20120308; EP 12713217 A 20120308; ES 12713217 T 20120308; FR 2012050488 W 20120308; PL 12713217 T 20120308; US 201214003930 A 20120308