Title (en)
NONWOVEN WITH AN EMBOSSED MESH PATTERN

Title (de)
VLIESSTOFF MIT GEPRAEGTEM NETZMUSTER

Title (fr)
NON-TISSÉ COMPORTANT UN MOTIF TREILLISSÉ GAUFRÉ

Publication
EP 3417098 A1 20181226 (DE)

Application
EP 16825393 A 20161221

Priority
• DE 102016001807 A 20160217
• EP 2016082087 W 20161221

Abstract (en)
[origin: CA3013397A1] The invention relates to a nonwoven comprising framework fibres and an at least partially fused thermoplastic material, in particular at least partially fused thermoplastic binding fibres, wherein at least the framework fibres are staple fibres and wherein the nonwoven has a thermally embossed mesh pattern made up of a multiplicity of intersecting embossed grooves, between which a multiplicity of embossed elevations are arranged, wherein - the equivalent diameter (7) of the embossed elevations is less than 50% of the fibre length of the framework fibres; - the ratio of the width (3) of the embossed grooves to the thickness (6) of the nonwoven in the region of the embossed elevations is less than or equal to 4/5, and - the ratio of the width (3) of the embossed grooves to the thickness (4) of the nonwoven in the region of the embossed grooves is from 0.5 to 2.

IPC 8 full level
D04H 1/485 (2012.01); **D04H 1/541** (2012.01)

CPC (source: EP KR US)
D04H 1/485 (2013.01 - EP KR US); **D04H 1/541** (2013.01 - KR); **D04H 1/5418** (2020.05 - EP US); **D06C 23/04** (2013.01 - KR US); **D06C 2700/31** (2013.01 - US)

Citation (search report)
See references of WO 2017140403A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102016001807 A1 20170817; AU 2016393382 A1 20180906; AU 2016393382 B2 20191121; BR 112018015275 A2 20181218; CA 3013397 A1 20170824; CA 3013397 C 20200901; CN 108495963 A 20180904; CN 108495963 B 20210604; EP 3417098 A1 20181226; EP 3417098 B1 20200415; ES 2797174 T3 20201201; HK 1252723 A1 20190531; KR 102093116 B1 20200423; KR 20180113598 A 20181016; MX 2018009886 A 20181109; PL 3417098 T3 20201005; RU 2696641 C1 20190805; SG 11201806953X A 20180927; US 11668032 B2 20230606; US 2021189619 A1 20210624; WO 2017140403 A1 20170824

DOCDB simple family (application)
DE 102016001807 A 20160217; AU 2016393382 A 20161221; BR 112018015275 A 20161221; CA 3013397 A 20161221; CN 201680079886 A 20161221; EP 16825393 A 20161221; EP 2016082087 W 20161221; ES 16825393 T 20161221; HK 18112033 A 20180919; KR 20187026924 A 20161221; MX 2018009886 A 20161221; PL 16825393 T 20161221; RU 2018132733 A 20161221; SG 11201806953X A 20161221; US 201616075669 A 20161221