

Title (en)

METHOD FOR PRODUCING A STRUCTURED MICROFILAMENT NONWOVEN

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES STRUKTURIERTEN MIKROFILAMENTVLISSSTOFFS

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN NON TISSÉ STRUCTURÉ CONSTITUÉ DE MICROFILAMENTS

Publication

EP 3334857 A1 20180620 (DE)

Application

EP 16738810 A 20160715

Priority

- DE 102015010129 A 20150810
- EP 2016066857 W 20160715

Abstract (en)

[origin: WO2017025271A1] Method for producing a structured microfilament nonwoven, in which microfilaments and/or composite filaments that are able to be split into microfilaments are spun to form at least one fibre layer, drafted and laid to form a nonwoven; the nonwoven is thermally preconsolidated; the thermally preconsolidated nonwoven is treated with a pressurized medium in order to at least partially break up the thermal preconsolidation; the nonwoven resting on a structuring surface is subjected again to a pressurized medium, whereby a structured microfilament nonwoven is obtained.

IPC 8 full level

D04H 1/495 (2012.01); **D04H 3/016** (2012.01); **D04H 3/018** (2012.01); **D04H 3/11** (2012.01)

CPC (source: EP US)

D04H 1/495 (2013.01 - EP US); **D04H 3/011** (2013.01 - US); **D04H 3/016** (2013.01 - EP US); **D04H 3/018** (2013.01 - EP US);
D04H 3/11 (2013.01 - EP US); **D10B 2331/02** (2013.01 - US); **D10B 2331/04** (2013.01 - US); **D10B 2403/01** (2013.01 - US);
D10B 2503/06 (2013.01 - US); **D10B 2505/08** (2013.01 - US)

Citation (search report)

See references of WO 2017025271A1

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)

WO 2017025271 A1 20170216; CN 107849765 A 20180327; DE 102015010129 A1 20170302; EP 3334857 A1 20180620;
TW 201706473 A 20170216; TW I633219 B 20180821; US 2018245252 A1 20180830

DOCDB simple family (application)

EP 2016066857 W 20160715; CN 201680042884 A 20160715; DE 102015010129 A 20150810; EP 16738810 A 20160715;
TW 105124990 A 20160805; US 201615747444 A 20160715