

Title (en)  
DEVICE FOR THE MANUFACTURE OF WOVEN MATERIAL FROM CONTINUOUS FILAMENTS

Title (de)  
VORRICHTUNG ZUR HERSTELLUNG VON SPINNVLIESEN AUS ENDLOSFILAMENTEN

Title (fr)  
DISPOSITIF DE FABRICATION D'UN TISSU NON-TISSÉ À PARTIR DE FILAMENTS CONTINUS

Publication  
**EP 3382082 B1 20190807 (DE)**

Application  
**EP 17164368 A 20170331**

Priority  
EP 17164368 A 20170331

Abstract (en)  
[origin: CA2996577A1] The invention relates to a device for producing spunbonds from endless filaments comprising at least one spinneret, at least one monomer extraction device, at least one cooling device, at least one stretching device and comprising at least one depositing device. At least one first deformable seal for sealing a gap formed between the spinneret and the monomer extraction device is provided between the spinneret and the monomer extraction device. Alternatively or additionally at least one deformable seal for sealing a gap formed between the monomer extraction device and the cooling device is provided between the monomer extraction device and the cooling device and/or at least one deformable seal for sealing a gap formed between the cooling device and the stretching device is arranged between the cooling device and the stretching device. The installation properties of the seals are variable or adjustable in relation to the boundary surfaces of the respective gap.

IPC 8 full level  
**D04H 3/02** (2006.01); **D01D 13/02** (2006.01); **F16J 15/02** (2006.01)

CPC (source: CN EP KR RU US)  
**D01D 5/088** (2013.01 - RU); **D01D 5/092** (2013.01 - EP US); **D01D 5/0985** (2013.01 - EP RU US); **D01D 7/00** (2013.01 - EP US); **D01D 11/00** (2013.01 - EP); **D02J 1/22** (2013.01 - KR); **D02J 1/225** (2013.01 - US); **D02J 13/00** (2013.01 - KR); **D04H 3/00** (2013.01 - CN); **D04H 3/005** (2013.01 - US); **D04H 3/02** (2013.01 - EP US); **D04H 3/03** (2013.01 - US); **D04H 3/10** (2013.01 - KR); **D04H 3/16** (2013.01 - US); **D04H 17/00** (2013.01 - KR); **D01D 13/02** (2013.01 - EP US)

Citation (opposition)  
Opponent : Gallo & Partners SRL  
• JP H05167412 A 19930702 - MATSUSHITA ELECTRIC WORKS LTD  
• US 2003012835 A1 20030116 - FAULENBACH BERND [DE], et al  
• JP S536614 B2 19780309  
• JP H06158416 A 19940607 - TORAY INDUSTRIES  
• US 3659980 A 19720502 - FERNANDEZ MIGUEL A  
• EP 0172556 A2 19860226 - BARMAG BARMER MASCHF [DE]  
• JP S5124318 U 19760223  
• EP 1563125 B1 20090408 - KIMBERLY CLARK CO [US]  
• US 2008220161 A1 20080911 - SOMMER SEBASTIAN [DE], et al

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 3382082 A1 20181003; EP 3382082 B1 20190807**; AR 111333 A1 20190703; BR 102018006568 A2 20181218; BR 102018006568 B1 20230516; CA 2996577 A1 20180930; CA 2996577 C 20210824; CN 108708078 A 20181026; CN 108708078 B 20220318; CO 2018002716 A1 20190318; DK 3382082 T3 20191021; ES 2754605 T3 20200420; JO 3482 B1 20200705; JO P20180031 A1 20190130; JP 2018172840 A 20181108; JP 6863924 B2 20210421; KR 102213091 B1 20210204; KR 20180111575 A 20181011; MX 2018003228 A 20181129; MY 191528 A 20220629; PL 3382082 T3 20200331; RU 2699875 C1 20190911; RU 2699875 C9 20191106; SA 118390478 B1 20211115; SI 3382082 T1 20191129; US 11225739 B2 20220118; US 2018282925 A1 20181004; ZA 201801817 B 20190731

DOCDB simple family (application)  
**EP 17164368 A 20170331**; AR P180100619 A 20180316; BR 102018006568 A 20180329; CA 2996577 A 20180226; CN 201810274671 A 20180330; CO 2018002716 A 20180315; DK 17164368 T 20170331; ES 17164368 T 20170331; JO P20180031 A 20170331; JP 2018063808 A 20180329; KR 20180035025 A 20180327; MX 2018003228 A 20180315; MY PI2018700959 A 20180312; PL 17164368 T 20170331; RU 2018111080 A 20180328; SA 118390478 A 20180328; SI 201730110 T 20170331; US 201815939703 A 20180329; ZA 201801817 A 20180319