

Title (en)

FILAMENT FOR SPUNBOND NON WOVEN FABRIC

Title (de)

FILAMENT FÜR NICHTGEWEBTEN SPINNVLIESTOFF

Title (fr)

FILAMENT POUR TISSU NON TISSÉ FILÉ-LIÉ

Publication

EP 4223920 A3 20230913 (EN)

Application

EP 23164595 A 20171114

Priority

- EP 16198713 A 20161114
- EP 17165357 A 20170406
- EP 17201684 A 20171114

Abstract (en)

Multicomponent filament (2) having at least two sub-filaments (2a, 2b) co-extruded from at least two materials (A, B) in side-by-side arrangement and adhered to one another, wherein the material (A) of a first sub-filament (2a) has melting temperature (T1) different from the melting temperature (T2) of the material (B) of a second sub-filament (2b) by at least 10°C and wherein, in cross section, the contact surface between said two sub-filaments (2a, 2b) is substantially wave-shaped.

IPC 8 full level

D01F 8/06 (2006.01); **D01D 5/22** (2006.01); **D01D 5/32** (2006.01); **D04H 3/018** (2012.01); **D04H 3/147** (2012.01); **D04H 3/153** (2012.01); **D04H 3/16** (2006.01)

CPC (source: EP)

D01D 5/32 (2013.01); **D01F 8/04** (2013.01); **D04H 3/018** (2013.01); **D04H 3/147** (2013.01); **D04H 3/16** (2013.01); **D01D 5/22** (2013.01)

Citation (search report)

- [XA] US 3781399 A 19731225 - KOBAYASHI H, et al
- [A] US 5108820 A 19920428 - KANEKO AKIRA [JP], et al
- [A] WO 2010014555 A1 20100204 - DOW CHEMICAL CO [US], et al
- [A] US 2010261399 A1 20101014 - KATSUYA MASAHITO [JP], et al
- [A] US 2016115630 A1 20160428 - KUBOTA HITOSHI [JP], 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 3321407 A1 20180516; **EP 3321407 B1 20230510**; EP 4223920 A2 20230809; EP 4223920 A3 20230913

DOCDB simple family (application)

EP 17201684 A 20171114; EP 23164595 A 20171114