

Title (en)  
NONWOVEN SPUNBOND FABRIC

Title (de)  
GESPONNENER VLIESSTOFF

Title (fr)  
TISSU NON TISSÉ FILÉ-LIÉ

Publication  
**EP 3321407 A1 20180516 (EN)**

Application  
**EP 17201684 A 20171114**

Priority  

- EP 16198713 A 20161114
- EP 17165357 A 20170406

Abstract (en)  
Nonwoven fabric (1) comprising a plurality of filaments (2) made of at least two different materials (A, B), said multicomponent filaments (2) having two sub-filaments (2a, 2b) co-extruded from said 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  
**D04H 3/018** (2012.01); **D01D 5/22** (2006.01); **D01D 5/32** (2006.01); **D01F 8/06** (2006.01); **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)

- [X] WO 2010014555 A1 20100204 - DOW CHEMICAL CO [US], et al
- [A] US 3781399 A 19731225 - KOBAYASHI H, et al
- [A] US 5108820 A 19920428 - KANEKO AKIRA [JP], et al
- [A] US 2010261399 A1 20101014 - KATSUYA MASAHIKO [JP], et al
- [A] US 2016115630 A1 20160428 - KUBOTA HITOSHI [JP], et al

Cited by  
EP3988065A1; IT202000025078A1; CN111155180A; CN111118740A; EP4209629A1; EP4279648A1; WO2023131531A1; WO2020230006A1;  
WO2023131591A1

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)

**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