

Title (en)  
CaCO<sub>3</sub> in polyester for nonwoven and fibers

Title (de)  
CaCO<sub>3</sub> in polyester für Nonwovens und Fasern

Title (fr)  
CaCO<sub>3</sub> en polyester pour non-tissé et fibres

Publication  
**EP 2749679 A1 20140702 (EN)**

Application  
**EP 12199746 A 20121228**

Priority  
EP 12199746 A 20121228

Abstract (en)  
The present invention concerns a nonwoven fabric comprising at least one polymer comprising a polyester and at least one filler comprising calcium carbonate. The present invention further relates to a process of producing such a nonwoven fabric as well as to the use of calcium carbonate as filler in a nonwoven fabric comprising at least one polymer comprising a polyester.

IPC 8 full level  
**D04H 1/435** (2012.01)

CPC (source: EP KR RU US)  
**D01F 1/10** (2013.01 - EP KR US); **D01F 6/62** (2013.01 - EP KR US); **D04H 1/435** (2013.01 - EP KR RU US); **D04H 3/011** (2013.01 - US); **Y10T 442/642** (2015.04 - EP US)

Citation (applicant)  

- US 5886088 A 19990323 - MATSUMOTO KAZUAKI [JP], et al
- WO 2009121085 A1 20091008 - EREMA [AT], et al
- WO 2012052778 A1 20120426 - IMERYS MINERALS LTD [GB], et al
- US 6797377 B1 20040928 - DELUCIA MARY LUCILLE [US], et al
- WO 2008077156 A2 20080626 - IMERYS PIGMENTS INC [US], et al
- EP 2465986 A1 20120620 - JOHNS MANVILLE [US]
- WO 9730199 A1 19970821 - DANAKLON AS [DK], et al
- US 2012031576 A1 20120209 - GANE PATRICK ARTHUR CHARLES [CH], et al
- WO 2009074492 A1 20090618 - OMYA DEVELOPMENT AG [CH], et al
- EP 2264109 A1 20101222 - OMYA DEVELOPMENT AG [CH]
- EP 2070991 A1 20090617 - OMYA DEVELOPMENT AG [CH]
- EP 2264108 A1 20101222 - OMYA DEVELOPMENT AG [CH]
- EP 2447213 A1 20120502 - OMYA DEVELOPMENT AG [CH]
- EP 2524898 A1 20121121 - OMYA DEVELOPMENT AG [CH]
- EP 2371766 A1 20111005 - OMYA DEVELOPMENT AG [CH]
- EP 1216404 A1 20020626 - ROSEMOUNT INC [US]
- EP 2159258 A1 20100303 - OMYA DEVELOPMENT AG [CH]
- JOURNAL OF POLYMER SCIENCE: PART B: POLYMER PHYSICS, vol. 37, 1999, pages 847 - 857
- BOONSRI KUSKTHAM: "Spinning of PET fibres mixed with calcium carbonate", ASIAN JOURNAL OF TEXTILE, vol. 1, no. 2, 2011, pages 106 - 113

Citation (search report)  
[X] US 2011151738 A1 20110623 - MOORE ERIC M [US], et al

Cited by  
ITUB20155124A1; EP3070057A1; RU2674133C1; AU2016232526B2; US10843932B2; WO2021151651A1; WO2018234838A1; WO2016146404A1; US11718065B2; US11584833B2; WO2018074967A1; WO2021005182A1; WO2014140563A3; WO2020005399A1; WO2020005400A1; WO2020005401A1; EP2963162A1

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 2749679 A1 20140702; EP 2749679 B1 20170322;** AU 2013369411 A1 20150702; AU 2013369411 B2 20161222; BR 112015015568 A2 20170711; BR 112015015568 B1 20220405; CA 2894803 A1 20140703; CA 2894803 C 20170516; CL 2015001838 A1 20151030; CN 104955995 A 20150930; CN 111379073 A 20200707; DK 2749679 T3 20170619; EP 2938768 A1 20151104; EP 2938768 B1 20171004; ES 2629257 T3 20170808; HR P20170893 T1 20170908; HU E034765 T2 20180228; JO 3260 B1 20180916; JP 2016508190 A 20160317; JP 2019065447 A 20190425; JP 2020090771 A 20200611; JP 2022141779 A 20220929; JP 7106514 B2 20220726; KR 101846139 B1 20180405; KR 20150103112 A 20150909; KR 20170104675 A 20170915; MX 2015008130 A 20150923; MY 171233 A 20191004; PL 2749679 T3 20170929; PT 2749679 T 20170627; RU 2015131156 A 20170202; RU 2621660 C2 20170606; SG 11201505040R A 20150730; SI 2749679 T1 20170731; TW 201443305 A 20141116; TW I570294 B 20170211; US 2015322604 A1 20151112; UY 35248 A 20140731; WO 2014102197 A1 20140703; ZA 201505319 B 20161026

DOCDB simple family (application)  
**EP 12199746 A 20121228;** AU 2013369411 A 20131220; BR 112015015568 A 20131220; CA 2894803 A 20131220; CL 2015001838 A 20150625; CN 201380068217 A 20131220; CN 202010293030 A 20131220; DK 12199746 T 20121228; EP 13814950 A 20131220; EP 2013077742 W 20131220; ES 12199746 T 20121228; HR P20170893 T 20170612; HU E12199746 A 20121228; JO P20130379 A 20131219; JP 2015550049 A 20131220; JP 2018168734 A 20180910; JP 2019232746 A 20191224; JP 2022112229 A 20220713; KR 20157020187 A 20131220; KR 20177025103 A 20131220; MX 2015008130 A 20131220; MY PI2015001641 A 20131220; PL 12199746 T 20121228; PT 12199746 T 20121228; RU 2015131156 A 20131220;

SG 11201505040R A 20131220; SI 201230971 A 20121228; TW 102147182 A 20131219; US 201314651335 A 20131220;  
UY 35248 A 20131227; ZA 201505319 A 20150723