

Title (en)
Elastic spunbonded nonwoven and elastic nonwoven fabric comprising the same

Title (de)
Elastisches Spinnvlies und elastische Vliesfaser damit

Title (fr)
Non tissé filé-lié élastique et étoffe non tissée élastique le comprenant

Publication
EP 2034057 A1 20090311 (EN)

Application
EP 07017656 A 20070910

Priority
EP 07017656 A 20070910

Abstract (en)
The spunbonded nonwoven (W) has high elastic recovery properties and comprises a plurality of multicomponent filaments. Each multicomponent filament, preferably of the sheath/core type, comprises a first polymeric component (P) and a second polymeric component (P'). The first polymeric component (P) comprises an elastic propylene-based olefin copolymer, and the second polymeric component (P') comprises an elastic propylene-based olefin and has a melt flow rate MFR2 that is higher than the melt flow rate MFR1 of the first polymeric component. Said elastic spunbonded nonwoven (W) can be easily bonded with polyolefin-based nonwoven layer(s), especially polypropylene-based layer(s), in order to make a composite nonwoven, particularly suitable for the hygienic industry (diapers, ...).

IPC 8 full level
D01F 8/06 (2006.01)

CPC (source: EP US)
D01D 5/0985 (2013.01 - EP US); **D01F 8/06** (2013.01 - EP US); **D04H 3/02** (2013.01 - EP US); **D04H 3/147** (2013.01 - EP US); **D04H 13/00** (2013.01 - EP US); **Y10T 442/602** (2015.04 - EP US)

Citation (search report)
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• [A] US 5997989 A 19991207 - GESSNER SCOTT L [US], et al
• [A] EP 1443132 A2 20040804 - BBA NONWOVENS SIMPSONVILLE INC [US]
• [A] S SRINIVAS, C Y CHENG, N DHARMARAJAN AND G RACINE: "Elastic Nonwoven Fabrics From Polyolefin Elastomers", 5 May 2005, SOCIETY OF PLASTICS ENGINEERS. ANTEC 2005 PLASTICS: ANNUAL TECHNICAL CONFERENCE, VOLUME 2: MATERIALS, ISBN: 978-1-59124-973-3, XP002467564

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

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EP 2034057 A1 20090311; CA 2697552 A1 20090319; CA 2697552 C 20151006; EP 2094891 A2 20090902; EP 2094891 B1 20180307; US 2009068912 A1 20090312; WO 2009033540 A2 20090319; WO 2009033540 A3 20090528

DOCDB simple family (application)
EP 07017656 A 20070910; CA 2697552 A 20080812; EP 08785501 A 20080812; EP 2008006622 W 20080812; US 20682808 A 20080909