Title (en)

NONWOVEN FABRIC AND PRODUCTION METHOD FOR SAME

Title (de)

VLIESSTOFF UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

TISSU NON TISSÉ ET SON PROCÉDÉ DE PRODUCTION

Publication

EP 3318667 A4 20181114 (EN)

Application

EP 16818032 A 20160630

Priority

- JP 2015131693 A 20150630
- JP 2016069462 W 20160630

Abstract (en)

[origin: EP3318667A1] A nonwoven fabric including fibers that contain a polymer having a glass transition temperature of greater than or equal to 50°C as a main component, and having a vertical strength of greater than or equal to 1 N/5 cm per 1 g/m 2 , and by satisfying both of the following conditions (1) and (2), a nonwoven fabric having sufficient strength to be handled alone and including fibers that contain a polymer having a Tg of greater than or equal to 50°C as a main component without performing a post processing such as emboss processing, calender processing, or spunlace processing, and a method for producing the nonwoven fabric can be provided. (1) A density is 0.01 to 0.4 g/cm 3 . (2) A proportion of parts with a density exceeding 0.4 g/cm 3 is less than or equal to 3% in a cross section in a thickness direction.

IPC 8 full level

D04H 3/16 (2006.01); **D01D 5/08** (2006.01); **D01D 5/084** (2006.01); **D01D 5/098** (2006.01); **D01F 6/74** (2006.01); **D04H 3/009** (2012.01)

CPC (source: EP KR US)

D01D 5/08 (2013.01 - KR); **D01D 5/084** (2013.01 - EP US); **D01D 5/0985** (2013.01 - EP US); **D04H 1/42** (2013.01 - EP US); **D04H 1/56** (2013.01 - EP US); **D04H 3/009** (2013.01 - EP US); **D04H 3/16** (2013.01 - EP KR US); D01F 6/64 (2013.01 - EP US); D01F 6/74 (2013.01 - EP US)

Citation (search report)

- [XI] US 2011076907 A1 20110331 - GLEW CHARLES A [US], et al
- [X] WO 2015080913 A1 20150604 - 3M INNOVATIVE PROPERTIES CO [US]
- [X] WO 02059403 A1 20020801 - KIMBERLY CLARK CO [US]
- See references of WO 2017002924A1

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 3318667 A1 20180509; **EP 3318667 A4 20181114**; **EP 3318667 B1 20200506**; CN 107709646 A 20180216; CN 107709646 B 20210716; JP 6617148 B2 20191211; JP WO2017002924 A1 20180419; KR 102403836 B1 20220530; KR 20180022911 A 20180306; TW 201713809 A 20170416; TW I675947 B 20191101; US 2018187353 A1 20180705; WO 2017002924 A1 20170105

DOCDB simple family (application)

EP 16818032 A 20160630; CN 201680038212 A 20160630; JP 2016069462 W 20160630; JP 2017526434 A 20160630; KR 20187002761 A 20160630; TW 105120784 A 20160630; US 201615739920 A 20160630