

Title (en)

Non-woven fabric and method for fabricating the same

Title (de)

Vliesstoff und Verfahren zu seiner Herstellung

Title (fr)

Tissu non tissée et son procédé de fabrication

Publication

**EP 2735632 A1 20140528 (EN)**

Application

**EP 13003474 A 20130709**

Priority

TW 101143448 A 20121121

Abstract (en)

A non-woven fabric includes a filament fiber web and a composite fiber web that is entangled with the filament fiber web and that includes composite staple fibers and cellulose fibers. The composite staple fibers and the cellulose fibers are fusion-bonded together. A method of fabricating a non-woven fabric includes: (a) air laying and thermally treating composite staple fibers and cellulose fibers so as to form a composite fiber web, the composite staple fibers and the cellulose fibers in the composite fiber web being fusion-bonded together, and (b) disposing the composite fiber web between two filament fiber webs followed by subjecting to water-jet treatment such that the composite fiber web and the filament fiber webs are entangled with each other.

IPC 8 full level

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CPC (source: EP US)

**D04H 1/26** (2013.01 - EP US); **D04H 1/28** (2013.01 - US); **D04H 1/425** (2013.01 - EP US); **D04H 1/4258** (2013.01 - EP US); **D04H 1/485** (2013.01 - EP US); **D04H 1/49** (2013.01 - EP US); **D04H 1/498** (2013.01 - EP US); **D04H 1/5418** (2020.05 - EP US); **D04H 1/558** (2013.01 - US); **D04H 1/732** (2013.01 - US); **D04H 1/74** (2013.01 - EP US); **Y10T 442/698** (2015.04 - EP US)

Citation (applicant)

TW 182129 B

Citation (search report)

- [X] US 6375773 B1 20020423 - ANDERSEN JENS OLE BROECHNER [DK]
- [A] US 5375306 A 19941227 - ROUSSIN-MOYNIER YVES [FR]
- [A] WO 2011009997 A2 20110127 - AHLSTROEM OY [FI], et al
- [A] EP 0992338 A2 20000412 - FORT JAMES CORP [US]
- [A] US 2003101556 A1 20030605 - FLEISSNER GEROLD [CH]
- [A] WO 2004063451 A1 20040729 - AHLSTROM BRIGNOUD [FR], et al
- [A] EP 0964093 A1 19991215 - SUOMINEN OY J W [FI]
- [A] US 2001005926 A1 20010705 - NOELLE FREDERIC [FR]
- [A] EP 1195459 A1 20020410 - POLYMER GROUP INC [US]
- [A] WO 0166345 A1 20010913 - PROCTER & GAMBLE [US], et al
- [A] US 2004087237 A1 20040506 - GARNIER GIL BERNARD DIDIER [US], et al
- [A] WO 9802608 A1 19980122 - KIMBERLY CLARK CO [US]
- [A] WO 0018996 A1 20000406 - KIMBERLY CLARK CO [US]
- [A] WO 2011053946 A1 20110505 - PROCTER & GAMBLE [US], et al

Citation (examination)

JP 2012211412 A 20121101 - DAIWABO HOLDINGS CO LTD, et al

Cited by

WO2024223041A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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