

Title (en)
WATER-DISINTEGRABLE NONWOVEN FABRIC

Title (de)
WASSERLÖSLICHES VLIESMATERIAL

Title (fr)
TISSU NON-TISSÉ POUVANT SE DÉSINTÉGRER DANS L'EAU

Publication
EP 2395142 B1 20140910 (EN)

Application
EP 10738551 A 20100203

Priority
• JP 2010051512 W 20100203
• JP 2009026718 A 20090206

Abstract (en)
[origin: EP2395142A1] The present invention provides a water-disintegrable nonwoven fabric having a high strength and flexibility. The water-disintegrable nonwoven fabric includes fibers mechanically entangled with one another and adapted to be disentangled from one another when it is stirred in water. 10 to 50% by mass of the fibers is made up of ultrafine thermoplastic synthetic fibers each having a fineness of 0.01 to 0.5dtex and a fiber length of 3 to 10mm. 90 to 50% by mass of the fibers is made up of at least one of chemical fibers each having a fineness of 1 to 2dtex and a fiber length of 5 to 20mm and pulp fibers having a freeness of 600 to 770cc.

IPC 8 full level
D04H 1/42 (2012.01); **D04H 1/425** (2012.01); **D04H 1/46** (2012.01); **D04H 1/492** (2012.01)

CPC (source: EP US)
D04H 1/46 (2013.01 - EP US); **Y10T 442/696** (2015.04 - EP US)

Cited by
EP3643825A4; EP3382078A4; US11970789B2; US11142730B2; US11193097B2; US11925698B2; US11053466B2; US11859338B2; US10982176B2; US11753608B2; US12031254B2; US11878077B2; US10045915B2; US11505379B2; US11944693B2; US10646413B2; US10894005B2; US11944696B2

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
EP 2395142 A1 20111214; **EP 2395142 A4 20130403**; **EP 2395142 B1 20140910**; CN 102362024 A 20120222; CN 102362024 B 20140115; JP 2010180510 A 20100819; JP 5346221 B2 20131120; US 2011294388 A1 20111201; WO 2010090220 A1 20100812

DOCDB simple family (application)
EP 10738551 A 20100203; CN 201080013038 A 20100203; JP 2009026718 A 20090206; JP 2010051512 W 20100203; US 201013147895 A 20100203