

Title (en)

HELICALLY CRIMPED, SHAPED, SINGLE POLYMER FIBERS AND ARTICLES MADE THEREFROM

Title (de)

HELIXARTIG GESCHRUMPFTE EINZEL-POLYMER FASERN UND DARAUS HERGESTELLTE GEGENSTÄNDE

Title (fr)

FIBRES A ONDULATIONS HELICOIDALES COMPRENANT UN SEUL POLYMER ET ARTICLES CONSTITUES DE CELLES-CI

Publication

EP 1451398 A1 20040901 (EN)

Application

EP 02737452 A 20020605

Priority

- US 0218331 W 20020605
- US 574301 A 20011203

Abstract (en)

[origin: WO03048440A1] There is provided a nonwoven fabric for use in personal care absorbent articles where the fabric is made from single polymer, helically crimped fibers. Such a fabric provides economical production since it uses only one polymer. These fabrics have superior void volume and resilience and are useful in a number of applications, including as outercovers, liners, surge layers and even as an absorbent core.

IPC 1-7

D04H 1/54

IPC 8 full level

A61L 15/16 (2006.01); **D04H 1/54** (2012.01); **D04H 11/08** (2006.01)

CPC (source: EP KR US)

D04H 1/4291 (2013.01 - KR); **D04H 1/49** (2013.01 - KR); **D04H 1/54** (2013.01 - KR); **D04H 1/544** (2013.01 - EP US); **D04H 1/55** (2013.01 - EP US); **D04H 1/555** (2013.01 - EP US); **D04H 1/556** (2013.01 - KR); **D04H 11/08** (2013.01 - EP US); **Y10T 442/60** (2015.04 - EP US); **Y10T 442/627** (2015.04 - EP US); **Y10T 442/635** (2015.04 - EP US)

Citation (search report)

See references of WO 03048440A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 03048440 A1 20030612; AR 037161 A1 20041027; AU 2002310381 A1 20030617; BR 0214318 A 20060523; CN 1589345 A 20050302; EP 1451398 A1 20040901; JP 2005517093 A 20050609; KR 20040072634 A 20040818; MX PA04004697 A 20040819; US 2003104748 A1 20030605

DOCDB simple family (application)

US 0218331 W 20020605; AR P020104131 A 20021030; AU 2002310381 A 20020605; BR 0214318 A 20020605; CN 02823083 A 20020605; EP 02737452 A 20020605; JP 2003549614 A 20020605; KR 20047007598 A 20020605; MX PA04004697 A 20020605; US 574301 A 20011203