Title (en)

POLYESTER STAPLE FIBER AND NONWOVEN FABRIC COMPRISING SAME

Title (de)

POLYESTERSTAPELFASER UND WENIGSTENS TEILWEISE DARAUS BESTEHENDER VLIESSTOFF

Title (fr)

FIBRES POLYESTER ET NON-TISSE CONSTITUE DE CES FIBRES

Publication

EP 1516079 B1 20091216 (EN)

Application

EP 03760886 A 20030618

Priority

- JP 0307754 W 20030618
- JP 2002181139 A 20020621

Abstract (en)

[origin: US2004265577A1] Polyester staple fibers containing a polymeric blend of 0.5 to 15 mass % of a polyolefinic polymer with a matrix polyester polymer, 50% or more of the surface area of each fiber being formed by the polymeric blend, are useful for forming a nonwoven fabric with soft hand and a uniform texture by using various web-forming methods, for example, an air laid, wet laid or carding method.

IPC 8 full level

D01F 6/92 (2006.01); **D01F 8/06** (2006.01); **D01F 8/14** (2006.01); **D04H 1/541** (2012.01); **D04H 1/544** (2012.01); **D04H 1/55** (2012.01); **D21H 13/24** (2006.01); **D21H 15/10** (2006.01)

CPC (source: EP KR US)

D01F 6/92 (2013.01 - EP KR US); **D01F 8/14** (2013.01 - EP KR US); **D04H 1/4291** (2013.01 - EP KR US); **D04H 1/435** (2013.01 - EP KR US); **D04H 1/43828** (2020.05 - EP KR US); **D04H 1/54** (2013.01 - EP KR US); **D04H 1/72** (2013.01 - KR); **D04H 1/732** (2013.01 - EP KR US); **D21H 13/24** (2013.01 - EP KR US); Y10T 428/2913 (2015.01 - EP US); Y10T 428/2933 (2015.01 - EP US)

Cited by

US9605126B2; US9617685B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

US 2004265577 A1 20041230; AU 2003244268 A1 20040106; CN 1320180 C 20070606; CN 1545573 A 20041110; DE 60330562 D1 20100128; EP 1516079 A1 20050323; EP 1516079 A4 20060524; EP 1516079 B1 20091216; HK 1067389 A1 20050408; JP 2004027377 A 20040129; JP 4027728 B2 20071226; KR 20050009979 A 20050126; TW 200402485 A 20040216; TW I303283 B 20081121; US 2007098986 A1 20070503; WO 2004001108 A1 20031231

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US 48722204 A 20040220; AU 2003244268 A 20030618; CN 03800884 A 20030618; DE 60330562 T 20030618; EP 03760886 A 20030618; HK 04110295 A 20041229; JP 0307754 W 20030618; JP 2002181139 A 20020621; KR 20047002462 A 20030618; TW 92116669 A 20030619; US 64103006 A 20061219