Title (en)

CONJUGATE FIBER HAVING LOW-TEMPERATURE PROCESSABILITY, NONWOVEN FABRIC AND FORMED ARTICLE USING THE CONJUGATE FIBER

Title (de)

BEI NIEDRIGER TEMPERATUR VERARBEITBARE KONJUGATFASER, VLIES UND MIT DER KONJUGATFASER HERGESTELLTER ARTIKEL

Title (fr)

FIBRE CONJUGUÉE AYANT UNE APTITUDE À LA TRANSFORMATION À BASSE TEMPÉRATURE, NON TISSÉ ET ARTICLE NON TISSÉ UTILISANT LA FIBRE CONJUGUÉE

Publication

EP 2229474 B1 20170607 (EN)

Application

EP 08863375 A 20081215

Priority

• JP 2008073148 W 20081215
• JP 2007323616 A 20071214

Abstract (en)

[origin: WO2009078479A1] A conjugate fiber is provided, in which a first component that contains at least 75% by weight of an ethylene-a-olef in copolymer having a melting point of 70 to 1000C and a second component that contains a crystalline polypropylene forma side-by-side cross section, wherein, in a fiber cross section perpendicular to a fiber axis, the first component accounts for 55 to 90% of an outer periphery of the fiber, a borderline between the first component and the second component forms a curve bulging toward the first component, and an area ratio between the first component and the second component (first component/second component) is in a range of 70/30 to 30/70. The conjugate fiber demonstrates low-temperature processability and excellent card passability when processed into a nonwoven fabric, and can produce a bulky nonwoven fabric having excellent uniformity.

IPC 8 full level

D01F 8/06 (2006.01); **D04H 1/544** (2012.01)

CPC (source: EP KR US)

D01D 5/30 (2013.01 - EP US); **D01D 5/32** (2013.01 - KR); **D01D 10/02** (2013.01 - KR); **D01D 10/049** (2013.01 - KR); **D01D 10/06** (2013.01 - KR); **D01F 8/06** (2013.01 - EP KR US); **D02G 3/02** (2013.01 - KR); **D02G 3/443** (2013.01 - KR); **D04H 1/54** (2013.01 - EP US); **D04H 1/541** (2013.01 - KR); **D04H 13/00** (2013.01 - KR); D10B 2321/02 (2013.01 - KR); D10B 2401/04 (2013.01 - KR); Y10T 428/2931 (2015.01 - EP US); Y10T 442/608 (2015.04 - EP US)

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