

Title (en)

Heat-fusible composite fiber, and non-woven fabrics and absorbent products produced from the same

Title (de)

Schmelzklebende Verbundfasern und daraus hergestellte Vliesstoffe und absorbierende Produkte

Title (fr)

Fibre composite thermofusible et tissus non-tissés et produits absorbants obtenus à partir de celle-ci

Publication

EP 0854213 B1 20020605 (EN)

Application

EP 98100922 A 19980120

Priority

- JP 2102397 A 19970120
- JP 25925197 A 19970908

Abstract (en)

[origin: EP0854213A1] There are disclosed a heat-fusible composite fiber comprising a component A consisting of a high-melting-point, crystalline polypropylene resin, and a component B consisting of at least one low-melting-point resin selected from propylene-based copolymers having a melting point lower than that of the component A, characterized in that the cross-section of said composite fiber has a profiled structure wherein the component A consisting of the high-melting-point resin forms branch portions of strands radially extending from the center portion outward, and the component B consisting of the low-melting-point resin forms projecting portions connected to the branch portions, and a non-woven fabric and absorbent products produced from such a fiber. <IMAGE>

IPC 1-7

D01F 8/06; **D01D 5/30**; **D01D 5/253**; **D04H 1/54**; **D04H 3/14**

IPC 8 full level

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CPC (source: EP US)

D01D 5/253 (2013.01 - EP); **D01D 5/30** (2013.01 - EP); **D01F 8/06** (2013.01 - EP); **D04H 1/541** (2013.01 - EP US); **D04H 3/14** (2013.01 - EP)

Cited by

US6458244B1; US6551456B2; US6074590A; EP0894875A3; FR2790489A1; EP1048771A1; US6657033B1; US10610814B2; US9968092B2; WO0063471A1

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