

Title (en)

Nonwoven fabric made of heat bondable fibers

Title (de)

Vliesstoff hergestellt aus Schmelzklebkompositfasern

Title (fr)

Non-tissé fabriqué à partir de filaments soudables à chaud

Publication

EP 0311860 B1 19960703 (EN)

Application

EP 88116222 A 19880930

Priority

JP 25040987 A 19871002

Abstract (en)

[origin: EP0311860A2] A heat-bondable fiber in the form of a core-sheath type composite fiber comprising a core component and a sheath component which covers the periphery of the core component.' The sheath component is formed of copolymer polyethylene consisting of predetermined material and having predetermined properties. The core component is made of a fiber-forming polymer whose melting point is more than 30 DEG C higher than that of the sheath component. The fineness of the core-sheath type composite fiber is less than 8 deniers. Such heat-bondable fiber provides a nonwoven fabric in which the force of adhesion of the heat-bondable fiber to other dissimilar fibers is high and the hand of the fabric is soft. This nonwoven fabric contains at least 15 percent of the heat-bondable fiber and is heat-treated at a temperature less than the melting point of the core component.

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D01F 8/06; **D04H 1/54**

IPC 8 full level

D01F 8/14 (2006.01); **D01F 8/06** (2006.01)

CPC (source: EP)

D01F 8/06 (2013.01); **D04H 1/54** (2013.01)

Citation (examination)

- JP S6110583 B2 19860329
- Encyclopedia of Polymer Science and Engineering, vol. 6; John Wiley & Sons, New York (US); p. 830 (1986)
- Encyclopedia of Polymer Science and Engineering, vol. 6; John Wiley & Sons, New York (US); p. 423 (1986)

Cited by

US7238634B2; US7008888B2; US5948529A; EP0548902A1; US5167765A; EP0597224A3; AU670971B2; US6488811B1; US6251224B1; WO2005010263A1; EP0434448B1

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