

Title (en)
NONWOVEN FABRICS AND METHOD FOR PRODUCING THEM

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EP 0264112 B1 19920226 (EN)

Application
EP 87114967 A 19871013

Priority
JP 24542586 A 19861017

Abstract (en)
[origin: EP0264112A2] Nonwoven fabrics contain at least 30 % by weight of heat-adhesive composite fibers consisting of core portion and sheath portion, said core portion being of the side-by-side type composite structure comprising two core components of different polypropylene base polymers in a composite ratio of 1:2 to 2:1, one of said core components having a Q value, expressed in terms of the weight-average molecular weight/the number-average molecular weight, equal to or higher than 6 and the other having a Q value equal to or lower than 5, and said sheath portion meeting at least the requirement that it should comprise a sheath component of a polyethylene base polymer having a melting point lower by at least 20 DEG C than the lower one of the melting points of said two core components. The nonwoven fabrics are bulky and soft due to the crimps of the heat-adhesive composite fibers resultant from the core portion and are stabilized by the inter-fiber bonds of the sheath portion.

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D04H 1/54

IPC 8 full level
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CPC (source: EP)
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Cited by
WO2010087812A1; US5307796A; EP0761846A3; US5763334A; GB2299350A; CN108893789A; CN112789374A; US8029633B2; US6177191B1; US8147957B2; US6878650B2; WO9211405A1; US7131442B1; US8309478B2; US7960024B2; US8133537B2

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