

Title (en)  
NONWOVEN FABRICS AND METHOD FOR PRODUCING THEM

Publication  
**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.

IPC 1-7  
**D04H 1/54**

IPC 8 full level  
**D01D 5/20** (2006.01); **D01D 5/30** (2006.01); **D01D 5/34** (2006.01); **D01F 8/06** (2006.01); **D04H 1/4291** (2012.01); **D04H 1/4382** (2012.01); **D04H 1/50** (2012.01); **D04H 1/541** (2012.01)

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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**EP 0264112 A2 19880420**; **EP 0264112 A3 19890816**; **EP 0264112 B1 19920226**; DE 3776855 D1 19920402; JP H0791760 B2 19951004; JP S63105161 A 19880510

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