

Title (en)

Hot-melt-adhesive conjugate fibers and a non-woven fabric using the fibers

Title (de)

Mit Heisssschmelzkleber verbundene Fasern und Vliesstoffe, hergestellt unter Verwendung dieser Fasern

Title (fr)

Fibres conjuguées de colle thermofusible et non-tissé utilisant celles-ci

Publication

EP 0691427 A1 19960110 (EN)

Application

EP 95304630 A 19950703

Priority

- JP 17594594 A 19940704
- JP 28301194 A 19941021

Abstract (en)

Hot-melt-adhesive conjugate fibers of the side-by-side or sheath-core type are composed of a high melting component which is a polypropylene or a polyester and a low melting component which is a polyethylene, said polyethylene continuously forming at least one portion of the fiber surface along the length of the fibers, in which the polyethylene has 0 to 1.5 methyl branch/1,000C in the molecular chain, a density of 0.950 to 0.965 g/cm³ and a Q value $\bar{A}(\text{weight average molecular weight (Mw)}/\text{number average molecular weight (Mn)})$ of 4.5 or less. Hot-melt-adhered non-woven fabrics are characterized by containing 20% by weight or more of such hot-melt-adhesive conjugate fibers.

IPC 1-7

D01F 8/06; **D01F 8/14**; **D04H 1/54**

IPC 8 full level

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CPC (source: EP)

D01F 8/06 (2013.01); **D01F 8/14** (2013.01); **D04H 1/54** (2013.01); **D04H 3/007** (2013.01); **D04H 3/147** (2013.01)

Citation (applicant)

JP S6392722 A 19880423 - UNITIKA LTD

Citation (search report)

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- [Y] EP 0391260 A1 19901010 - CHISSO CORP [JP]
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- [X] DATABASE WPI Section Ch Week 9245, 24 August 1991 Derwent World Patents Index; Class A17, AN 92-371163
- [Y] DATABASE WPI Section Ch Week 9046, 9 October 1990 Derwent World Patents Index; Class A94, AN 90-346168
- [A] DATABASE WPI Section Ch Week 9334, Derwent World Patents Index; Class A96, AN 93270136

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EP 95304630 A 19950703; BR 9503076 A 19950704; CN 95115004 A 19950704; DE 69529123 T 19950703; JP 28301194 A 19941021; KR 19950019376 A 19950704