

Title (en)

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

Title (de)

Mit Heisserschmelzkleber 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 B1 20021211 (EN)

Application

EP 95304630 A 19950703

Priority

- JP 17594594 A 19940704
- JP 28301194 A 19941021

Abstract (en)

[origin: EP0691427A1] 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.

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IPC 8 full level

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CPC (source: EP)

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Cited by

EP0829564A3; EP0989222A4; CN100352991C; EP0833002A1; EP0924322A1; CN103201416A; US6878650B2; WO0049893A1; WO2004003278A1; WO2012064469A1; US10271999B2; US10646381B2; US11202725B2; US11491057B2; WO2016105539A1; US11905626B2; US6831025B2; US11213436B2; US10357410B2; US11135103B2; US11324645B2; US11633311B2; US11766367B2; US11813150B2; US11998431B2

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