

Title (en)

POLYOLEFIN FIBRES AND THEIR USE IN THE PREPARATION OF NONWOVENS WITH HIGH BULK AND RESILIENCE

Title (de)

POLYOLEFINFASERN UND DEREN VERWENDUNG BEI DER HERSTELLUNG HOCHVOLUMINÖSER VLIESTOFFE MIT HOHEM RÜCKSTELLVERMÖGEN

Title (fr)

FIBRES EN POLYOLEFINE ET LEUR UTILISATION DANS LA PREPARATION DE NONTISSES A VOLUME ET RESILIENCE ELEVES

Publication

**EP 1540051 B1 20061129 (EN)**

Application

**EP 03797183 A 20030917**

Priority

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Abstract (en)

[origin: WO2004027130A1] Non-woven materials from polyolefin-based fibres which have bulk and resilience comparable to polyester fibres are described herein, thus expanding the utility of polyolefin fibres and nonwovens to a plethora of industrial applications which previously excluded products based on polyolefin fibres due to their hitherto inadequate bulk or resilience. Control of polyolefin fibre characteristics such as the fibre/fibre friction, fibre crystallinity, draw ratio, or selection of the spin finish so as to comprise essentially of an aqueous emulsion of polysiloxanes render them suitable for preparing bulky and resilient nonwovens.

IPC 8 full level

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CPC (source: EP KR)

**D01F 1/10** (2013.01 - EP); **D01F 6/04** (2013.01 - EP KR); **D01F 6/06** (2013.01 - EP); **D01F 6/30** (2013.01 - EP KR); **D01F 6/46** (2013.01 - EP); **D04H 1/00** (2013.01 - KR); **D04H 1/4291** (2013.01 - EP); **D06M 7/00** (2013.01 - EP); **D06M 15/643** (2013.01 - EP); **D06M 2101/20** (2013.01 - EP); **D06M 2200/40** (2013.01 - EP)

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