

Title (en)

POLYPROPYLENE COMPOSITION WITH IMPROVED TENSILE PROPERTIES, FIBERS AND NONWOVEN STRUCTURES

Title (de)

POLYPROPYLENZUSAMMENSETZUNG MIT VERBESSERTEN ZUGEIGENSCHAFTEN, FASERN UND VLIESTOFFSTRUKTUREN

Title (fr)

COMPOSITION DE POLYPROPYLENE DOTÉE DE PROPRIÉTÉS DE TRACTION AMÉLIORÉES, FIBRES ET STRUCTURES NON TISSÉES

Publication

EP 3596259 A1 20200122 (EN)

Application

EP 18714463 A 20180316

Priority

- EP 17161684 A 20170317
- EP 2018056746 W 20180316

Abstract (en)

[origin: WO2018167304A1] A polypropylene composition is described having an MFI measured according to ISO 1133 for polypropylene of 1 to 3 g/10 min and a xylene soluble content in the range from 1 wt% to 4.5 wt% or 1.5 wt% to 4.5 wt%, which can be used to produce spun and drawn fibres having an average MFI measured according to ISO 1133 for polypropylene of 1 to 5g/ min, a xylene soluble content in the range from 1 wt% to 4.5 wt% or 1.5 wt% to 4.5 wt%, the spun and drawn fibres having an average elongation of at least 65% as measured by ISO 5079 with an adjusted testing speed of 80 mm/min, and/or an average tenacity/tensile strength of at least 56 c N/tex as measured by ISO 5079 with an adjusted testing speed of 80 mm/min.

IPC 8 full level

D01F 6/06 (2006.01); **D01F 6/46** (2006.01); **D04H 1/4291** (2012.01)

CPC (source: EP KR US)

D01F 6/06 (2013.01 - EP KR); **D01F 6/46** (2013.01 - EP KR); **D01F 8/06** (2013.01 - US); **D04H 1/4291** (2013.01 - EP KR US); **D10B 2321/022** (2013.01 - US); **D10B 2403/02** (2013.01 - US); **D10B 2505/204** (2013.01 - US)

Citation (search report)

See references of WO 2018167304A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

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