

Title (en)

FIBERS INCLUDING A CRYSTALLINE POLYOLEFIN AND A HYDROCARBON TACKIFIER RESIN, AND PROCESS FOR MAKING SAME

Title (de)

FASERN MIT EINEM KRISTALLINEN POLYOLEFIN UND EINEM KOHLENWASSERSTOFF-KLEBRIGMACHERHARZ UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

FIBRES COMPRENANT UNE POLYOLÉFINE CRISTALLINE ET UNE RÉSINE TACKIFIANTE HYDROCARBONÉE, ET LEUR PROCÉDÉ DE FABRICATION

Publication

**EP 3662097 A1 20200610 (EN)**

Application

**EP 18842410 A 20180730**

Priority

- US 201762539242 P 20170731
- US 2018044301 W 20180730

Abstract (en)

[origin: WO2019027866A1] Nonwoven fibrous webs including a multiplicity of (co)polymeric fibers made of a mixture including from about 50% w/w to about 99% w/w of at least one crystalline polyolefin (co)polymer, and from about 1% w/w to about 40% w/w of at least one hydrocarbon tackifier resin. A process for making the nonwoven fibrous webs includes heating the foregoing mixture to at least a Melting Temperature of the mixture to form a molten mixture, extruding this molten mixture through at least one orifice to form at least one filament, applying a gaseous stream to attenuate the at least one filament to form a plurality of discrete, discontinuous fibers, and cooling the plurality of discrete, discontinuous fibers to a temperature below the Melting Temperature and collecting the discrete discontinuous fibers as a nonwoven fibrous web. The nonwoven fibrous webs exhibit a Heat of Fusion measured using Differential Scanning Calorimetry of greater than 50 Joules/g.

IPC 8 full level

**D01D 5/08** (2006.01); **D04H 3/007** (2012.01); **D04H 5/00** (2012.01)

CPC (source: EP US)

**D01D 5/08** (2013.01 - EP US); **D01D 5/0985** (2013.01 - EP); **D01F 1/10** (2013.01 - EP); **D01F 6/04** (2013.01 - EP); **D04H 1/4291** (2013.01 - EP US); **D04H 1/587** (2013.01 - US); **D04H 1/64** (2013.01 - US); **D04H 1/72** (2013.01 - US); **D04H 3/007** (2013.01 - EP); **D04H 5/00** (2013.01 - EP); **D10B 2321/022** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2019027866 A1 20190207**; CN 110945165 A 20200331; EP 3662097 A1 20200610; EP 3662097 A4 20210407; JP 2020529525 A 20201008; US 2020115833 A1 20200416

DOCDB simple family (application)

**US 2018044301 W 20180730**; CN 201880048644 A 20180730; EP 18842410 A 20180730; JP 2020504330 A 20180730; US 201816621292 A 20180730