

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 A4 20210407 (EN)**

Application  
**EP 18842410 A 20180730**

Priority  
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• 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); **D01D 5/098** (2006.01); **D01F 1/10** (2006.01); **D01F 6/04** (2006.01); **D04H 1/4291** (2012.01); **D04H 3/007** (2012.01); **D04H 5/00** (2012.01)

CPC (source: EP US)  
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Citation (search report)  
• [IA] US 2015143653 A1 20150528 - THOMAS OOMMAN P [US], et al  
• [IA] US 2009264846 A1 20091022 - CHIEN WILLIAM M [US], et al  
• See references of WO 2019027866A1

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DOCDB simple family (publication)  
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