

Title (en)

BICOMPONENT FIBERS WITH IMPROVED CURVATURE

Title (de)

BIKOMPONENTENFASERN MIT VERBESSERTER KRÜMMUNG

Title (fr)

FIBRES À DEUX COMPOSANTS PRÉSENTANT UNE COURBURE AMÉLIORÉE

Publication

EP 4146853 A1 20230315 (EN)

Application

EP 21728706 A 20210505

Priority

- US 202063021784 P 20200508
- US 2021030904 W 20210505

Abstract (en)

[origin: WO2021226246A1] Provided are bicomponent fibers with improved curvature. The bicomponent fiber comprises a first region and a second region. The first region comprises a first polyethylene composition and second region comprises a second polyethylene composition, wherein the first polyethylene composition has a crystallization temperature (T_c) greater than a crystallization temperature (T_c) of the second polyethylene composition. The bicomponent fiber can be used to form a nonwoven.

IPC 8 full level

D01F 8/06 (2006.01); **D01D 5/34** (2006.01); **D04H 3/007** (2012.01)

CPC (source: EP KR US)

D01D 5/34 (2013.01 - EP KR US); **D01F 8/06** (2013.01 - EP KR US); **D04H 3/007** (2013.01 - EP KR US); **D04H 3/147** (2013.01 - EP KR); **D04H 3/16** (2013.01 - US); **D10B 2321/021** (2013.01 - US)

Citation (search report)

See references of WO 2021226246A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2021226246 A1 20211111; AR 121943 A1 20220727; BR 112022022436 A2 20221220; CN 115516144 A 20221223; EP 4146853 A1 20230315; JP 2023524202 A 20230609; KR 20230009911 A 20230117; US 2023272567 A1 20230831

DOCDB simple family (application)

US 2021030904 W 20210505; AR P210101123 A 20210426; BR 112022022436 A 20210505; CN 202180033534 A 20210505; EP 21728706 A 20210505; JP 2022564105 A 20210505; KR 20227042285 A 20210505; US 202117997615 A 20210505