

Title (en)
INFRARED-TRANSPARENT, POLYMER FIBER-BASED WOVEN TEXTILES FOR HUMAN BODY COOLING

Title (de)
INFRAROT-TRANSPARENTE, POLYMERFASERBASIERTE GEWEBTE TEXTILIEN ZUR KÜHLUNG DES MENSCHLICHEN KÖRPERS

Title (fr)
TEXTILES TISSÉS À BASE DE FIBRES POLYMÈRES TRANSPARENTS AU RAYONNEMENT INFRAROUGE POUR LE REFROIDISSEMENT DU CORPS HUMAIN

Publication
EP 3516100 A1 20190731 (EN)

Application
EP 17854089 A 20170925

Priority
• US 201662399974 P 20160926
• US 2017053305 W 20170925

Abstract (en)
[origin: WO2018058062A1] A fiber includes an elongated member and refractive index contrast domains dispersed within the elongated member. The elongated member includes at least one polymer having a transmittance of infrared radiation at a wavelength of 9.5 μm of at least about 40%.

IPC 8 full level
D02G 3/36 (2006.01); **D02G 3/02** (2006.01)

CPC (source: EP KR US)
A41D 31/04 (2019.01 - US); **D01D 5/247** (2013.01 - EP); **D01F 1/10** (2013.01 - EP US); **D01F 6/04** (2013.01 - EP US); **D01F 6/06** (2013.01 - US); **D01F 6/46** (2013.01 - EP US); **D01F 8/06** (2013.01 - EP); **D02G 3/02** (2013.01 - KR US); **D02G 3/36** (2013.01 - KR US); **D03D 1/00** (2013.01 - EP US); **D03D 15/283** (2021.01 - EP KR US); **A41D 2500/20** (2013.01 - US); **A41D 2500/50** (2013.01 - US); **D10B 2321/021** (2013.01 - EP US); **D10B 2321/022** (2013.01 - US); **D10B 2401/04** (2013.01 - EP); **D10B 2401/20** (2013.01 - US); **D10B 2501/00** (2013.01 - US); **D10B 2501/04** (2013.01 - EP)

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 2018058062 A1 20180329; AU 2017330453 A1 20190411; BR 112019005764 A2 20190611; CA 3037242 A1 20180329; CN 109790650 A 20190521; EP 3516100 A1 20190731; EP 3516100 A4 20200304; JP 2019534956 A 20191205; KR 20190047732 A 20190508; MX 2019003190 A 20190926; SG 10202100508Q A 20210225; US 2019211476 A1 20190711

DOCDB simple family (application)
US 2017053305 W 20170925; AU 2017330453 A 20170925; BR 112019005764 A 20170925; CA 3037242 A 20170925; CN 201780058897 A 20170925; EP 17854089 A 20170925; JP 2019515995 A 20170925; KR 20197011559 A 20170925; MX 2019003190 A 20170925; SG 10202100508Q A 20170925; US 201716333874 A 20170925