

Title (en)
CABLES MADE OF PHASE CHANGE MATERIAL

Title (de)
KABEL AUS EINEM SPEICHERSTOFF

Title (fr)
CÂBLES CONSTITUÉS D'UN MATÉRIAU À CHANGEMENT DE PHASE

Publication
EP 3371815 A1 20180912 (EN)

Application
EP 16798588 A 20161027

Priority
• US 201562250206 P 20151103
• US 2016059022 W 20161027

Abstract (en)
[origin: WO2017079018A1] A phase change material (PCM) is useful for thermal management in various applications such as automotive, building, packaging, garments, and footwear, and in devices such as wires and cables. The cable described herein comprises a core and a PCM layer surrounding the core. The PCM layer comprises a PCM composition, which in turn comprises a 1,3 propanediol fatty acid ester. The core consists of a yarn, strand or wire made of a natural or synthetic polymeric material or a metal.

IPC 8 full level
H01B 3/34 (2006.01); **C08K 5/103** (2006.01); **C11C 3/04** (2006.01); **H01B 7/29** (2006.01)

CPC (source: EP US)
C08K 5/103 (2013.01 - US); **D06M 13/2243** (2013.01 - US); **D07B 1/16** (2013.01 - US); **H01B 3/34** (2013.01 - EP US);
H01B 7/292 (2013.01 - EP US)

Citation (search report)
See references of WO 2017079018A1

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 2017079018 A1 20170511; CN 108352213 A 20180731; CN 108352213 B 20201009; EP 3371815 A1 20180912;
JP 2019500441 A 20190110; JP 6944933 B2 20211006; US 2018334775 A1 20181122

DOCDB simple family (application)
US 2016059022 W 20161027; CN 201680063652 A 20161027; EP 16798588 A 20161027; JP 2018522728 A 20161027;
US 201515757701 A 20151103