Title (en)

BITUMEN WHICH IS SOLID AT AMBIENT TEMPERATURE

Title (de)

BEI RAUMTEMPERATUR FESTES BITUMEN

Title (fr)

BITUME SOLIDE A TEMPERATURE AMBIANTE

Publication

EP 3464474 A1 20190410 (FR)

Application

EP 17731613 A 20170522

Priority

- FR 1654580 A 20160523
- FR 2017051263 W 20170522

Abstract (en)

[origin: CA3024924A1] Bitumen which is solid at ambient temperature, in the form of granules comprising a core made of a first bituminous material and a coating layer made of a second bituminous material, in which: - the first bituminous material comprises at least one bitumen base and, - the second bituminous material comprises: at least one bitumen base and at least one chemical additive chosen from: an organic compound, a viscosifying compound, a paraffin, a polyphosphoric acid and mixtures thereof; or at least one pitch having a ring-and-ball softening point (RBSP) greater than or equal to 80°C, it being understood that the RBSP is measured according to the EN 1427 standard; or a mixture of these materials.

IPC 8 full level

C08L 95/00 (2006.01); **C04B 26/26** (2006.01); **C08K 5/01** (2006.01); **C08K 5/09** (2006.01); **C10C 3/14** (2006.01); **E01C 7/18** (2006.01)

CPC (source: EA EP US)

C04B 20/1044 (2013.01 - EA EP US); **C04B 24/04** (2013.01 - US); **C04B 24/124** (2013.01 - US); **C04B 26/26** (2013.01 - EA EP US); **C08K 5/01** (2013.01 - EA EP); **C08K 5/09** (2013.01 - EA EP); **C08L 95/00** (2013.01 - EA EP); **C10C 3/14** (2013.01 - EA EP); **E01C 7/20** (2013.01 - EA EP US); C04B 2111/0075 (2013.01 - EA EP US)

Citation (search report)

See references of WO 2017203154A1

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)

FR 3051476 A1 20171124; **FR 3051476 B1 20200131**; CA 3024924 A1 20171130; EA 201892401 A1 20190531; EP 3464474 A1 20190410; SA 518400475 B1 20230109; US 11021397 B2 20210601; US 2019352229 A1 20191121; WO 2017203154 A1 20171130

DOCDB simple family (application)

FR 1654580 A 20160523; CA 3024924 A 20170522; EA 201892401 A 20170522; EP 17731613 A 20170522; FR 2017051263 W 20170522; SA 518400475 A 20181121; US 201716304243 A 20170522