

Title (en)
FORMULATION FOR BITUMEN EMULSION

Title (de)
FORMULIERUNG FÜR EINE BITUMENEMULSION

Title (fr)
FORMULATION POUR ÉMULSION BITUMINEUSE

Publication
EP 3768772 A1 20210127 (FR)

Application
EP 19717192 A 20190320

Priority
• FR 1852572 A 20180323
• FR 2019050636 W 20190320

Abstract (en)
[origin: WO2019180379A1] The invention relates to a formulation comprising at least one lignosulfonate, at least one nitrogenous surfactant, and at least one alkoxyated cationic compatibiliser. The invention also relates to the bitumen emulsions produced from said formulation.

IPC 8 full level
C08K 5/17 (2006.01)

CPC (source: EP US)
C08K 5/17 (2013.01 - EP US); **C08K 5/42** (2013.01 - US); **C08L 95/005** (2013.01 - US)

Citation (search report)
See references of WO 2019180379A1

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 2019180379 A1 20190926; BR 112020018024 A2 20201222; CL 2020002434 A1 20210129; EP 3768772 A1 20210127;
FR 3079234 A1 20190927; FR 3079234 B1 20201127; MA 52083 A 20210127; PE 20210178 A1 20210129; US 2021024753 A1 20210128

DOCDB simple family (application)
FR 2019050636 W 20190320; BR 112020018024 A 20190320; CL 2020002434 A 20200922; EP 19717192 A 20190320;
FR 1852572 A 20180323; MA 52083 A 20190320; PE 2020001343 A 20190320; US 201916980661 A 20190320