

Title (en)
METHOD FOR PREPARING A SOLID BITUMEN MATERIAL AT AMBIENT TEMPERATURE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES FESTEN BITUMENMATERIALS BEI UMGEBUNGSTEMPERATUR

Title (fr)
PROCÉDÉ DE PRÉPARATION D'UN MATÉRIAU DE BITUME SOLIDE À TEMPÉRATURE AMBIANTE

Publication
EP 3394209 A1 20181031 (FR)

Application
EP 16826429 A 20161221

Priority
• FR 1563103 A 20151222
• FR 2016053599 W 20161221

Abstract (en)
[origin: WO2017109402A1] Disclosed is a method for preparing a solid bitumen material at ambient temperature, said method comprising at least the steps of: a) preparing a stabilized emulsion of bitumen drops in a water phase that has a pH of 2 to 4; b) preparing a silica sol or silica gel from a first silicon oxide precursor that has a pH of 2 to 4; c) mineralizing the emulsion of bitumen drops from step a) with the silica sol or gel from step b); d) mineralizing the emulsion of bitumen drops from step c) having a maximum pH of 1 with a second silicon oxide precursor; e) separating the material from the water phase.

IPC 8 full level
C10C 3/14 (2006.01); **C08K 3/34** (2006.01); **C08L 95/00** (2006.01)

CPC (source: EP US)
C08K 3/36 (2013.01 - EP US); **C08L 95/00** (2013.01 - EP US); **C10C 3/14** (2013.01 - EP US); **C08L 2555/50** (2013.01 - EP); **C08L 2555/52** (2013.01 - US)

C-Set (source: EP US)
1. **C08L 95/00** + **C08K 3/34**
2. **C08K 3/36** + **C08L 95/00**

Citation (search report)
See references of WO 2017109402A1

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 3045647 A1 20170623; FR 3045647 B1 20200731; EP 3394209 A1 20181031; US 2019002666 A1 20190103; WO 2017109402 A1 20170629

DOCDB simple family (application)
FR 1563103 A 20151222; EP 16826429 A 20161221; FR 2016053599 W 20161221; US 201616065152 A 20161221