

Title (en)
METHOD FOR CONTROLLING THE SEDIMENTATION OF A MINING DERIVATIVE

Title (de)
VERFAHREN ZUR KONTROLLE DER SEDIMENTATION EINES ABBAUDERIVATES

Title (fr)
CONTRÔLE DE LA SÉDIMENTATION D'UN DÉRIVÉ MINIER

Publication
EP 3801811 A2 20210414 (FR)

Application
EP 19737157 A 20190605

Priority
• FR 1854991 A 20180608
• FR 2019000092 W 20190605

Abstract (en)
[origin: WO2019234315A2] The invention relates to a method for controlling the sedimentation of an aqueous mineral suspension of a mining derivative by means of the gravimetric concentration of the aqueous suspension in the presence of a flocculating agent and a polymer (P) which has a GPC-measured molecular mass Mw of between 2000 and 20000 g/mol and is prepared using at least one free radical polymerisation reaction of at least one anionic monomer (M). The invention also relates to the resulting suspension, which has a Brookfield viscosity of less than 1 800 mPa.s or a yield point of less than 80 Pa.

IPC 8 full level
B01D 21/01 (2006.01); **B03D 3/00** (2006.01); **C02F 1/56** (2006.01); **C02F 11/14** (2019.01); **C22B 3/00** (2006.01)

CPC (source: EP US)
B01D 21/01 (2013.01 - EP US); **B03D 3/00** (2013.01 - EP); **B03D 3/06** (2013.01 - US); **C02F 11/147** (2019.01 - EP US); **C02F 2103/10** (2013.01 - EP US); **C02F 2209/09** (2013.01 - EP US); **Y02P 10/20** (2015.11 - 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 2019234315 A2 20191212; WO 2019234315 A3 20200130; AU 2019282374 A1 20201203; AU 2019282374 B2 20240725; BR 112020023480 A2 20210330; CA 3102186 A1 20191212; CL 2020003159 A1 20210423; CN 112272583 A 20210126; CN 112272583 B 20221011; CO 2020014705 A2 20201210; EP 3801811 A2 20210414; FR 3082124 A1 20191213; FR 3082124 B1 20210528; MA 52769 A 20210414; MX 2020012448 A 20210129; PE 20210079 A1 20210111; US 2021170309 A1 20210610; ZA 202007711 B 20220330

DOCDB simple family (application)
FR 2019000092 W 20190605; AU 2019282374 A 20190605; BR 112020023480 A 20190605; CA 3102186 A 20190605; CL 2020003159 A 20201203; CN 201980038101 A 20190605; CO 2020014705 A 20201127; EP 19737157 A 20190605; FR 1854991 A 20180608; MA 52769 A 20190605; MX 2020012448 A 20190605; PE 2020001948 A 20190605; US 201915734335 A 20190605; ZA 202007711 A 20201210