

Title (en)

METHOD FOR TREATING AN OIL EFFLUENT FROM AN ASSISTED RECOVERY PROCESS USING A SURFACTANT

Title (de)

VERFAHREN ZUR BEHANDLUNG EINES ÖLABFLUSSES AUS EINEM UNTERSTÜTZTEN RÜCKGEWINNUNGSVERFAHREN UNTER VERWENDUNG EINES TENSIDS

Title (fr)

PROCEDE DE TRAITEMENT D'UN EFFLUENT PETROLIER ISSU D'UNE RECUPERATION ASSISTEE UTILISANT UN TENSIOACTIF

Publication

**EP 3554665 A1 20191023 (FR)**

Application

**EP 17804919 A 20171130**

Priority

- FR 1662528 A 20161215
- EP 2017080971 W 20171130

Abstract (en)

[origin: WO2018108550A1] - The invention concerns a method for treating an oil effluent from a process for the assisted recovery of hydrocarbons in a geological reservoir, the assisted recovery being implemented by means of a flushing fluid comprising at least one surfactant. - The method according to the invention comprises at least one step of separating the phases of a mixture from the oil effluent by demulsification, by injecting, into the mixture, a demulsification agent comprising at least trivalent cations and/or tetravalent cations, the mixture being formed from at least oil, water and at least a portion of the surfactant.

IPC 8 full level

**B01D 17/04** (2006.01); **C09K 8/584** (2006.01); **C10G 33/04** (2006.01); **E21B 43/20** (2006.01)

CPC (source: EP)

**B01D 17/047** (2013.01); **C09K 8/584** (2013.01); **C10G 33/04** (2013.01); **E21B 43/20** (2013.01); **C10G 2300/1033** (2013.01); **C10G 2300/208** (2013.01)

Citation (search report)

See references of WO 2018108550A1

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 2018108550 A1 20180621**; CO 2019005639 A2 20190731; EP 3554665 A1 20191023; FR 3060407 A1 20180622; FR 3060407 B1 20190705

DOCDB simple family (application)

**EP 2017080971 W 20171130**; CO 2019005639 A 20190529; EP 17804919 A 20171130; FR 1662528 A 20161215