

Title (en)

METHOD FOR PRODUCING CRUDE OIL USING CATIONIC SURFACTANTS COMPRISING A HYDROPHOBIC BLOCK HAVING A CHAIN LENGTH OF 6 - 10 CARBON ATOMS

Title (de)

VERFAHREN ZUR ERDÖLFÖRDERUNG UNTER VERWENDUNG VON KATIONISCHEN TENSIDEN, DIE EINEN HYDROPHOBBLOCK MIT EINER KETTENLÄNGE VON 6 BIS 10 KOHLENSTOFFATOMEN AUFWEISEN

Title (fr)

PROCÉDÉ D'EXTRACTION DU PÉTROLE AU MOYEN DE TENSIOACTIFS CATIONIQUES QUI RENFERMENT UN BLOC HYDROPHOBE POSSÉDANT UNE LONGUEUR DE CHAÎNE DE 6 À 10 ATOMES DE CARBONE

Publication

EP 2544810 A2 20130116 (DE)

Application

EP 11707668 A 20110309

Priority

- EP 10002490 A 20100310
- EP 2011053552 W 20110309
- EP 11707668 A 20110309

Abstract (en)

[origin: WO2011110601A2] The invention relates to a method for producing crude oil by means of Winsor type III microemulsion flooding, wherein an aqueous surfactant formulation which comprises at least one ionic surfactant of general formula $R_1 N^+ (R_2)_m (R_3)_n (R_4) X^-$ is forced through injection wells into a mineral oil deposit and crude oil is withdrawn from the deposit through production wells.

IPC 8 full level

C09K 23/18 (2022.01); **C07C 211/63** (2006.01); **C09K 8/588** (2006.01); **C09K 23/38** (2022.01); **C09K 23/42** (2022.01)

CPC (source: EP US)

C07C 217/08 (2013.01 - EP); **C09K 8/584** (2013.01 - EP US); **C09K 23/00** (2022.01 - EP); **C09K 23/18** (2022.01 - EP US)

Citation (search report)

See references of WO 2011110601A2

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

DOCDB simple family (publication)

WO 2011110601 A2 20110915; **WO 2011110601 A3 20120119**; CA 2792305 A1 20110915; CN 102834170 A 20121219; EP 2544810 A2 20130116; JP 2013521122 A 20130610; MX 2012010277 A 20121121; RU 2012142938 A 20140420

DOCDB simple family (application)

EP 2011053552 W 20110309; CA 2792305 A 20110309; CN 201180018298 A 20110309; EP 11707668 A 20110309; JP 2012556510 A 20110309; MX 2012010277 A 20110309; RU 2012142938 A 20110309