

Title (en)

LOW INTERFACIAL TENSION SURFACTANTS FOR PETROLEUM APPLICATIONS

Title (de)

TENSIDE MIT GERINGER GRENZFLÄCHENSPIGUNG FÜR ERDÖLANWENDUNGEN

Title (fr)

TENSIOACTIFS À FAIBLE TENSION INTERFACIALE POUR DES APPLICATIONS PÉTROCHIMIQUES

Publication

**EP 2510081 A4 20150916 (EN)**

Application

**EP 09852135 A 20091210**

Priority

US 2009067498 W 20091210

Abstract (en)

[origin: WO2011071497A1] The invention relates to a class of novel surfactants that have utility in the recovery and/or extraction of oil.

IPC 8 full level

**C10G 31/08** (2006.01); **C09K 8/524** (2006.01); **C09K 8/584** (2006.01)

CPC (source: EP)

**C09K 8/524** (2013.01); **C09K 8/584** (2013.01); **C10G 31/08** (2013.01); **C10G 2300/1033** (2013.01); **C10G 2300/4062** (2013.01); **C10G 2300/80** (2013.01)

Citation (search report)

- [X] US 7572757 B1 20090811 - GUPTA D V SATYANARAYANA [US], et al
- [X] US 4240970 A 19801223 - CHIBNIK SHELDON [US]
- [X] US 2008194435 A1 20080814 - HUFF JUERGEN [DE], et al
- [X] CA 2668396 A1 20091209 - SOANE ENERGY LLC [US]
- See references of WO 2011071497A1

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**WO 2011071497 A1 20110616**; AU 2009356244 A1 20120705; AU 2009356244 B2 20130912; BR 112012014020 A2 20190924; CA 2783809 A1 20110616; CA 2783809 C 20161108; EP 2510081 A1 20121017; EP 2510081 A4 20150916

DOCDB simple family (application)

**US 2009067498 W 20091210**; AU 2009356244 A 20091210; BR 112012014020 A 20091210; CA 2783809 A 20091210; EP 09852135 A 20091210