

Title (en)
ORGANIC SALTS FOR REDUCING STONE PERMEABILITIES

Title (de)
ORGANISCHE SALZE ZUR REDUZIERUNG VON GESTEINSPERMEABILITÄTEN

Title (fr)
SELS ORGANIQUES POUR LA RÉDUCTION DE LA PERMÉABILITÉ DE ROCHES

Publication
EP 2464707 A1 20120620 (DE)

Application
EP 10725171 A 20100614

Priority

- EP 09167703 A 20090812
- EP 2010058304 W 20100614
- EP 10725171 A 20100614

Abstract (en)
[origin: WO2011018257A1] The invention relates to the use of free aromatic acids comprising at least two aromatic ring systems, or at least two acid functionalities, and/or the salts thereof, for influencing stone formations when mining underground petroleum and/or natural gas deposits. The free acids are used in particular when influencing and primarily controlling the inflow of acid in stone formations in a so-called acidizing process. Suitable salts of the indicated aromatic acids serve for reducing the stone permeability and in particular for reducing water inflow. The invention further relates to corresponding methods in addition to said use.

IPC 8 full level
C09K 8/506 (2006.01); **C09K 8/60** (2006.01); **C09K 8/74** (2006.01)

CPC (source: EP KR US)
C09K 8/506 (2013.01 - EP KR US); **C09K 8/60** (2013.01 - KR); **C09K 8/74** (2013.01 - KR); **C09K 8/76** (2013.01 - EP US);
C09K 8/86 (2013.01 - EP US)

Citation (search report)
See references of WO 2011018257A1

Citation (examination)
EP 2396382 B1 20140416 - HALLIBURTON ENERGY SERV INC [US]

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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2011018257 A1 20110217; AU 2010281809 A1 20120308; AU 2010281809 B2 20141002; BR 112012003035 A2 20160419;
CA 2768620 A1 20110217; CN 102471674 A 20120523; EA 201200268 A1 20120928; EC SP12011715 A 20120731; EP 2464707 A1 20120620;
JP 2013501832 A 20130117; KR 20120062760 A 20120614; MX 2012001431 A 20120522; US 2012142562 A1 20120607;
ZA 201201675 B 20160224

DOCDB simple family (application)
EP 2010058304 W 20100614; AU 2010281809 A 20100614; BR 112012003035 A 20100614; CA 2768620 A 20100614;
CN 201080035563 A 20100614; EA 201200268 A 20100614; EC SP12011715 A 20120309; EP 10725171 A 20100614;
JP 2012524163 A 20100614; KR 20127006265 A 20100614; MX 2012001431 A 20100614; US 201013384660 A 20100614;
ZA 201201675 A 20120307