

Title (en)

IMPROVED AQUEOUS-BASED INSULATING FLUIDS AND RELATED METHODS

Title (de)

VERBESSERTE WÄSSRIGE ISOLIERFLÜSSIGKEITEN UND ZUGEHÖRIGE VERFAHREN

Title (fr)

FLUIDES ISOLANTS À BASE D'EAU AMÉLIORÉS ET PROCÉDÉS APPARENTÉS

Publication

EP 2271735 A2 20110112 (EN)

Application

EP 09721009 A 20090305

Priority

- GB 2009000609 W 20090305
- US 4608608 A 20080311

Abstract (en)

[origin: US2008224087A1] Provided herein are methods and compositions that include a method comprising providing an annulus between a first tubing and a second tubing; providing an aqueous-based insulating fluid that comprises an aqueous base fluid, a water-miscible organic liquid, and a layered silicate; and placing the aqueous-based insulating fluid in the annulus. A composition provided includes an aqueous-based insulating fluid comprising an aqueous base fluid, a water-miscible organic liquid, and a layered silicate.

IPC 8 full level

C10M 173/02 (2006.01); **C09K 8/14** (2006.01); **E21B 36/00** (2006.01); **F16L 59/14** (2006.01)

CPC (source: EP US)

C10M 173/02 (2013.01 - EP US); **E21B 36/003** (2013.01 - EP US); **F16L 59/143** (2013.01 - EP US); **C10M 2207/0225** (2013.01 - EP US);
C10M 2207/0406 (2013.01 - EP US); **C10M 2209/1045** (2013.01 - EP US); **C10M 2209/1055** (2013.01 - EP US);
C10M 2209/1085 (2013.01 - EP US)

Citation (search report)

See references of WO 2009112808A2

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 TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

US 2008224087 A1 20080918; AU 2009223980 A1 20090917; BR PI0909062 A2 20150825; CA 2716450 A1 20090917;
CA 2716450 C 20130219; CN 102037110 A 20110427; EP 2271735 A2 20110112; JP 2011513677 A 20110428; MX 2010009988 A 20100930;
RU 2010141547 A 20120420; RU 2475624 C2 20130220; WO 2009112808 A2 20090917; WO 2009112808 A3 20091126

DOCDB simple family (application)

US 4608608 A 20080311; AU 2009223980 A 20090305; BR PI0909062 A 20090305; CA 2716450 A 20090305; CN 200980108293 A 20090305;
EP 09721009 A 20090305; GB 2009000609 W 20090305; JP 2010550250 A 20090305; MX 2010009988 A 20090305;
RU 2010141547 A 20090305