

Title (en)  
SYSTEMS AND METHODS FOR ESTIMATING FLUID BREAKTHROUGH TIMES AT PRODUCING WELL LOCATIONS

Title (de)  
SYSTEME UND VERFAHREN ZUR BEWERTUNG DER FLÜSSIGKEITSDURCHBRUCHZEITEN AN PRODUZIERENDEN BOHRLOCHSTELLEN

Title (fr)  
SYSTÈMES ET PROCÉDÉS D'ÉVALUATION DE DURÉES DE PERCÉE DE FLUIDE DES EMPLACEMENTS DE PUITS DE PRODUCTION

Publication  
**EP 2795528 A4 20160629 (EN)**

Application  
**EP 12868041 A 20120210**

Priority  
US 2012024656 W 20120210

Abstract (en)  
[origin: WO2013119248A2] Systems and methods for estimating fluid breakthrough times at producing well locations based on fluid propagation simulation.

IPC 8 full level  
**G06G 7/48** (2006.01); **E21B 49/00** (2006.01)

CPC (source: EP US)  
**E21B 43/20** (2013.01 - EP US); **E21B 47/10** (2013.01 - EP US); **E21B 49/00** (2013.01 - EP US); **Y02A 10/40** (2017.12 - EP)

Citation (search report)

- [XII] WO 2004095259 A1 20041104 - EXXONMOBIL UPSTREAM RES CO [US], et al
- [XII] US 2011290479 A1 20111201 - IZGEC OMER [US], et al
- [XII] SARWESH KUMAR ET AL: "Understanding Reservoir Mechanisms Using Phase and Component Streamline Tracing and Visualization", SPE ANNUAL TECHNICAL CONFERENCE AND EXHIBITION, 1 October 2009 (2009-10-01), pages 4 - 7, XP055274357, DOI: 10.2118/124252-MS
- See references of WO 2013119248A2

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 2013119248 A2 20130815; WO 2013119248 A3 20140417**; AR 089973 A1 20141001; AU 2012369161 A1 20140724;  
AU 2012369161 B2 20150528; BR 112014017652 A2 20170620; BR 112014017652 A8 20170711; CA 2863156 A1 20130815;  
CN 104067290 A 20140924; EP 2795528 A2 20141029; EP 2795528 A4 20160629; MX 2014008897 A 20140922; RU 2014130786 A 20160410;  
RU 2590265 C2 20160710; US 2015039276 A1 20150205

DOCDB simple family (application)  
**US 2012024656 W 20120210**; AR P130100432 A 20130208; AU 2012369161 A 20120210; BR 112014017652 A 20120210;  
CA 2863156 A 20120210; CN 201280068076 A 20120210; EP 12868041 A 20120210; MX 2014008897 A 20120210;  
RU 2014130786 A 20120210; US 201214377800 A 20120210