

Title (en)

METHODS FOR MONITORING WELL CEMENTING OPERATIONS

Title (de)

VERFAHREN ZUR ÜBERWACHUNG VON BOHRLOCHZEMENTIERUNGSOPERATIONEN

Title (fr)

PROCÉDÉS PERMETTANT DE SURVEILLER DES OPÉRATIONS DE CIMENTATION DE PUITS

Publication

EP 3317488 A1 20180509 (EN)

Application

EP 16818866 A 20160701

Priority

- US 201514791201 A 20150702
- US 2016040634 W 20160701

Abstract (en)

[origin: WO2017004484A1] Cement placement simulations and post-placement simulations are traditionally performed before the cementing operation takes place. Several simulation iterations may be performed, allowing engineers to develop an optimal cement treatment design. When the cementing operation takes place, engineers may follow the procedure prescribed by the simulator. After the operation is complete and the cement has set, logging operations may be performed to verify that the goals of the cementing operation have been met. Monitoring the progress of the cementing operation in real time allows a determination of whether cementing events are unfolding as predicted by the simulator. If deviations from the plan occur, some real-time adjustments may be made to improve cementing results.

IPC 8 full level

E21B 33/13 (2006.01); **E21B 33/138** (2006.01); **E21B 47/00** (2012.01)

CPC (source: EP US)

E21B 33/14 (2013.01 - EP 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017004484 A1 20170105; EP 3317488 A1 20180509; EP 3317488 A4 20190306; US 2017002622 A1 20170105

DOCDB simple family (application)

US 2016040634 W 20160701; EP 16818866 A 20160701; US 201514791201 A 20150702