

Title (en)

WELL PLUG AND ABANDONMENT CHOKE INSERT

Title (de)

BOHRLOCHSTOPFEN UND DROSSELEINSATZ FÜR AUSSERBETRIEBSETZUNG

Title (fr)

BOUCHON DE PUIITS ET PIÈCE RAPPORTÉE D'ÉTRANGLEMENT DESTINÉE À L'ABANDON

Publication

EP 2681410 B1 20160504 (EN)

Application

EP 12706747 A 20120213

Priority

- US 201161447789 P 20110301
- US 201213371784 A 20120213
- US 2012024867 W 20120213

Abstract (en)

[origin: US2012222862A1] A process for plugging a wellbore comprises installing a choke device (1) into the wellbore to increase the back pressure allowing better control when introducing cement to plug the wellbore. The device (1) has a cylindrical shape with a central through bore (6). On the external profile is a shoulder (4) which, when the device is installed in a wellbore, comes to rest against a nipple in the wellbore. The device (1) may free fall for all or part of the way down but would normally be pumped down at least for the last part of its delivery. In the bore (6) is a pump out ball (10) which blocks the through bore until the device reaches the nipple and stops, at which point pressure increases and the ball is ejected. Cement and other liquid may then be pumped through the choke device to the distal region of the well.

IPC 8 full level

E21B 21/10 (2006.01); **E21B 23/08** (2006.01); **E21B 33/13** (2006.01)

CPC (source: EP US)

E21B 21/10 (2013.01 - EP US); **E21B 23/08** (2013.01 - EP US); **E21B 33/13** (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

DOCDB simple family (publication)

US 2012222862 A1 20120906; AU 2012223708 A1 20131017; AU 2012223708 B2 20161201; BR 112013021998 A2 20161129; BR 112013021998 B1 20210217; EP 2681410 A2 20140108; EP 2681410 B1 20160504; WO 2012118611 A2 20120907; WO 2012118611 A3 20130801

DOCDB simple family (application)

US 201213371784 A 20120213; AU 2012223708 A 20120213; BR 112013021998 A 20120213; EP 12706747 A 20120213; US 2012024867 W 20120213