

Title (en)
CONTROLLED PRESSURE PULSER FOR COILED TUBING MEASUREMENT WHILE DRILLING APPLICATIONS

Title (de)
GESTEUERTE DRUCKPULSIERVORRICHTUNG FÜR ROHRWENDELMESSUNG BEI BOHROPERATIONEN

Title (fr)
GÉNÉRATEUR D'IMPULSIONS DE PRESSION CONTRÔLÉE POUR MESURES DE TUBAGES ENROULÉS DANS DES APPLICATIONS DE FORAGE

Publication
EP 3132113 A4 20180103 (EN)

Application
EP 14889611 A 20140417

Priority
US 2014034554 W 20140417

Abstract (en)
[origin: WO2015160355A1] An apparatus and system for generating pressure pulses for enhancing and completing a well bore within a coiled tubing assembly including: a CT-MWD-FTD tool longitudinally and axially positioned within the center of a main valve assembly including a main valve. The drilling fluid is subsequently split into both an inlet main fluid stream and a pilot fluid stream, wherein the pilot fluid stream subsequently flows such that the pilot fluid recombines with the main flow stream to become a main exit fluid flow. The main exit fluid flow then proceeds toward a motor housing wherein one or more annular pressure sensors measure the pressure of fluid flow with sensors that send signals to a Digital Signal Processor (DSP) that controls flow throttling devices which generate controllable, large, rapid and measurable energy pulses.

IPC 8 full level
E21B 44/00 (2006.01)

CPC (source: EP)
E21B 47/24 (2020.05)

Citation (search report)
[X1] US 2013048300 A1 20130228 - MACDONALD ROBERT [US], et al

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 2015160355 A1 20151022; CA 2952909 A1 20151022; CA 2952909 C 20210622; EP 3132113 A1 20170222; EP 3132113 A4 20180103

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US 2014034554 W 20140417; CA 2952909 A 20140417; EP 14889611 A 20140417