

Title (en)

DOWNHOLE ELECTROMAGNETIC TELEMETRY APPARATUS

Title (de)

ELEKTROMAGNETISCHE TELEMETRIEVORRICHTUNG FÜR BOHRLÖCHER

Title (fr)

APPAREIL DE TÉLÉMÉTRIE ÉLECTROMAGNÉTIQUE DE FOND DE Puits

Publication

EP 2917481 B1 20180221 (EN)

Application

EP 13854109 A 20131106

Priority

- US 201261723286 P 20121106
- CA 2013050850 W 20131106

Abstract (en)

[origin: WO2014071520A1] An assembly for use in subsurface drilling includes a downhole probe having an EM telemetry signal generator and electrical contacts for carrying telemetry signals from the EM telemetry signal generator to first and second parts of a gap sub in a drill string. An outside surface of the probe and an inside surface of the gap sub are covered with layers of electrically-insulating material. Electrical conduction paths internal to the gap sub are removed, thereby increasing efficiency of EM telemetry.

IPC 8 full level

E21B 47/01 (2012.01); **E21B 7/00** (2006.01); **E21B 17/00** (2006.01); **E21B 47/13** (2012.01)

CPC (source: EP US)

E21B 17/003 (2013.01 - EP US); **E21B 47/01** (2013.01 - EP US); **E21B 47/13** (2020.05 - 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)

WO 2014071520 A1 20140515; CA 2890603 A1 20140515; CA 2890603 C 20181204; CN 104919137 A 20150916; CN 104919137 A8 20171208; CN 104919137 B 20180508; EA 028582 B1 20171229; EA 201590897 A1 20150831; EA 201590897 A8 20151130; EA 201791477 A1 20180330; EP 2917481 A1 20150916; EP 2917481 A4 20161130; EP 2917481 B1 20180221; NO 2970497 T3 20180324; US 2015285062 A1 20151008

DOCDB simple family (application)

CA 2013050850 W 20131106; CA 2890603 A 20131106; CN 201380058061 A 20131106; EA 201590897 A 20131106; EA 201791477 A 20131106; EP 13854109 A 20131106; NO 14729504 A 20140314; US 201314441127 A 20131106