

Title (en)  
DOWNHOLE ELECTROMAGNETIC TELEMETRY SYSTEM UTILIZING ELECTRICALLY INSULATING MATERIAL AND RELATED METHODS

Title (de)  
ELEKTROMAGNETISCHES BOHRLOCHTELEMETRIESYSTEM MIT EINEM ELEKTRISCH ISOLIERENDEN MATERIAL UND ZUGEHÖRIGE VERFAHREN

Title (fr)  
SYSTÈME DE TÉLÉMÉTRIE ÉLECTROMAGNÉTIQUE EN FOND DE TROU EMPLOYANT UN MATÉRIAU ÉLECTRIQUEMENT ISOLANT ET PROCÉDÉS APPARENTÉS

Publication  
**EP 2914986 A1 20150909 (EN)**

Application  
**EP 12890762 A 20121228**

Priority  
US 2012072080 W 20121228

Abstract (en)  
[origin: WO2014105051A1] A downhole electromagnetic telemetry system and method whereby electrically insulating material is placed above and/or below an electrical current launching device or receiver along a well string in order to extend the range of the telemetry system, increase the telemetry rate, and/or reduce downhole power requirements.

IPC 8 full level  
**G01V 3/00** (2006.01); **E21B 47/12** (2012.01)

CPC (source: EP RU US)  
**E21B 47/13** (2020.05 - EP RU US); **E21B 47/16** (2013.01 - US); **G01V 3/02** (2013.01 - EP US); **G01V 3/18** (2013.01 - EP RU 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 2014105051 A1 20140703**; AU 2012397852 A1 20150521; AU 2012397852 B2 20170413; BR 112015013673 A2 20170711; BR 112015013673 B1 20210810; CA 2890618 A1 20140703; CA 2890618 C 20190212; CN 104937442 A 20150923; CN 104937442 B 20190308; EP 2914986 A1 20150909; EP 2914986 A4 20160921; RU 2015122721 A 20170206; RU 2612952 C2 20170314; US 2015315906 A1 20151105

DOCDB simple family (application)  
**US 2012072080 W 20121228**; AU 2012397852 A 20121228; BR 112015013673 A 20121228; CA 2890618 A 20121228; CN 201280077739 A 20121228; EP 12890762 A 20121228; RU 2015122721 A 20121228; US 201214443940 A 20121228