Title (en)

SYSTEM AND METHOD FOR DOWNHOLE SIGNAL ENHANCEMENT

Title (de)

SYSTEM UND VERFAHREN ZUR BOIHRLOCHSIGNALVERSTÄRKUNG

Title (fr)

SYSTÈME ET PROCÉDÉ POUR RENFORCER UN SIGNAL DE FOND DE TROU

Publication

EP 2890866 A4 20160720 (EN)

Application

EP 13832420 A 20130827

Priority

- US 201261694591 P 20120829
- US 2013056705 W 20130827

Abstract (en)

[origin: WO2014035914A1] A system and method for downhole signal enhancement. The system includes a downhole tool having one or more sensors coupled thereto. The one or more sensors may measure internal pressure and one or more parameters selected from the group consisting of external pressure, pressure sensor temperature, weight on bit, torque on bit, bending moment, roll gyro, tangential acceleration, radial acceleration, and axial acceleration. A noise estimator may be coupled to the downhole tool and estimate a downhole noise component in the one or more parameters. A telemetry modulator may be coupled to the downhole tool and generate a signal that includes the estimated downhole noise component and a telemetry component. The downhole noise component in the signal may be reduced based at least partially upon the estimate.

IPC 8 full level

E21B 47/18 (2012.01); **E21B 47/01** (2012.01); **E21B 47/06** (2012.01)

CPC (source: EP US)

E21B 47/01 (2013.01 - EP US); **E21B 47/06** (2013.01 - EP US); **E21B 47/18** (2013.01 - EP US)

Citation (search report)

- [XYI] US 2010307828 A1 20101209 - HUTIN REMI [US], et al
- [XY] WO 2008036793 A2 20080327 - BAKER HUGHES INC [US], et al
- [IY] WO 0186325 A1 20011115 - SCHLUMBERGER TECHNOLOGY CORP [US], et al
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- See references of WO 2014035914A1

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 2014035914 A1 20140306; BR 112015004047 A2 20170704; CA 2881648 A1 20140306; EP 2890866 A1 20150708; EP 2890866 A4 20160720; US 2015218937 A1 20150806

DOCDB simple family (application)

US 2013056705 W 20130827; BR 112015004047 A 20130827; CA 2881648 A 20130827; EP 13832420 A 20130827; US 201314424430 A 20130827