Title (en)
WIRELESS ACOUSTIC COMMUNICATIONS METHOD AND APPARATUS

Title (de)
VERFAHREN UND VORRICHTUNG ZU KABELLOSEN AKUSTISCHEN KOMMUNIKATION

Title (fr)
PROCÉDÉ ET APPAREIL DE COMMUNICATIONS ACOUSTIQUES SANS FIL

Publication
EP 2800872 A2 20141112 (EN)

Application
EP 13701676 A 20130104

Priority
- GB 201200093 A 20120105
- GB 2013050004 W 20130104

Abstract (en)
[origin: WO2013102761A2] A method and apparatus for generating, propagating, encoding, decoding, modulating and detecting acoustic signals in a well borehole that comprises a signal generator located at a first location for generating an acoustic source signal; a medium for the propagation the acoustic source signal to a second location and the propagation of the reflections and partial reflections of acoustic signals as it propagates through the medium; an apparatus to remove a detectable amount of energy from propagated acoustic signals; a controllable signal modulator for attenuating the transmitted acoustic source signal; and a receiver for receiving the modulated acoustic signals reflected, partially reflected or both by at least one reflector respectively located at one or more other locations.

IPC 8 full level
E21B 47/14 (2006.01); E21B 47/16 (2006.01); E21B 47/18 (2012.01); G01V 11/00 (2006.01)

CPC (source: EP US)
E21B 47/14 (2013.01 - EP US); E21B 47/16 (2013.01 - US); E21B 47/18 (2013.01 - EP US); E21B 47/20 (2020.05 - EP US); G01V 1/223 (2013.01 - EP US); G01V 1/44 (2013.01 - EP US)

Citation (search report)
See references of WO 2013102761A2

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 2013102761 A2 20130711; WO 2013102761 A3 20140410; EP 2800872 A2 20141112; GB 201200093 D0 20120215; US 2015003202 A1 20150101

DOCDB simple family (application)
GB 2013050004 W 20130104; EP 13701676 A 20130104; GB 201200093 A 20120105; US 201314370899 A 20130104