

Title (en)

Surface communication system for communication with downhole wireless modem prior to deployment

Title (de)

Oberflächenkommunikationssystem für die Kommunikation mit einem drahtlosen Bohrloch-Modem vor Anwendung

Title (fr)

Système de communication en surface pour communication avec un modem sans fil de fond de trou avec le déploiement

Publication

**EP 2597491 A1 20130529 (EN)**

Application

**EP 11290541 A 20111124**

Priority

EP 11290541 A 20111124

Abstract (en)

An apparatus is made of a surface communication system for communicating wirelessly with a first wireless modem mounted within a section of tubing, and configured to communicate wirelessly with a second wireless modem through a tubing including the section of tubing and within a well at a distance in excess of 500 feet , comprising: a transceiver assembly adapted to be positioned on the section of tubing and in close proximity with the first wireless modem; transmitter electronics configured to provide low power signals to the transceiver assembly to cause the transceiver assembly to generate low power wireless signals into the section of tubing to be received and interpreted by the first wireless modem; and receiver electronics configured to receive and interpret high power signals from the transceiver assembly.

IPC 8 full level

**G01V 11/00** (2006.01); **E21B 47/12** (2012.01)

CPC (source: EP US)

**E21B 47/13** (2020.05 - EP US); **E21B 47/16** (2013.01 - EP US)

Citation (applicant)

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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)

**EP 2597491 A1 20130529**; BR 112014012548 A2 20170613; US 2014327552 A1 20141106; WO 2013076620 A1 20130530

DOCDB simple family (application)

**EP 11290541 A 20111124**; BR 112014012548 A 20121113; IB 2012056392 W 20121113; US 201214360293 A 20121113