

Title (en)  
DOWNHOLE LOW RATE LINEAR REPEATER RELAY NETWORK TIMING SYSTEM AND METHOD

Title (de)  
SYSTEM UND VERFAHREN ZUR RELAISNETZWERKTAKTUNG EINES LINEAREN BOHRLOCHREPEATERS MIT NIEDRIGER RATE

Title (fr)  
SYSTÈME ET PROCÉDÉ DE SYNCHRONISATION DE RÉSEAU RELAIS DE RÉPÉTEURS LINÉAIRES À FAIBLE DÉBIT DE FOND DE Puits

Publication  
**EP 3114317 A4 20171101 (EN)**

Application  
**EP 14884471 A 20140306**

Priority  
US 2014021356 W 20140306

Abstract (en)  
[origin: WO2015134030A1] A downhole repeater network timing system for a drilling rig including a drillstring extending subsurface downwardly from a surface wellhead. The system includes a node located at the drillstring lower end and including a sensor adapted for providing a signal data set output corresponding to downhole drilling conditions. Multiple nodes are located downhole between the Bottom Hole Assembly (BHA) and the wellhead and are associated with the drillstring. The nodes are adapted for receiving and transmitting the signals. The timing control system is adapted for controlling all times within a timeframe according to pre-configured constants known to all nodes. A downhole low rate linear repeater network timing method uses the system.

IPC 8 full level  
**E21B 47/12** (2012.01)

CPC (source: EP)  
**E21B 47/13** (2020.05); **E21B 47/16** (2013.01); **E21B 47/18** (2013.01)

Citation (search report)

- [XA] US 2010097890 A1 20100422 - SULLIVAN ERIC C [US], et al
- [XA] US 2010313646 A1 20101216 - MEHTA SHYAM [US], et al
- [E] EP 2972527 A2 20160120 - XACT DOWNHOLE TELEMETRY INC [CA]

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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