

Title (en)

OPTICAL INTERFACE SYSTEM FOR COMMUNICATING WITH A DOWNHOLE TOOL

Title (de)

OPTISCHES SCHNITTSTELLENSYSTEM ZUR KOMMUNIKATION MIT EINEM BOHRLOCHWERKZEUG

Title (fr)

SYSTÈME D'INTERFACE OPTIQUE POUR COMMUNIQUER AVEC UN OUTIL DE FOND

Publication

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Application

EP 14818748 A 20140627

Priority

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Abstract (en)

[origin: WO2014210513A1] An optical interface system is disclosed. In accordance with an embodiment, such a system includes an optical interface. A surface control system is coupled to a first end of the optical interface, and a logging tool coupled to an opposite second end of the optical interface. Data and/or power can be exchanged between the logging tool and the optical interface by converting electrical signals into corresponding optical signals which can be transmitted over the optical interface. Corresponding methods are also disclosed herein.

IPC 8 full level

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CPC (source: EP US)

E21B 47/135 (2020.05 - EP US)

Citation (search report)

- [XYI] US 2010025032 A1 20100204 - SMITH DAVID R [US], et al
- [XI] US 2007062696 A1 20070322 - WILSON COLIN [JP], et al
- [XI] US 2005263281 A1 20051201 - LOVELL JOHN R [US], et al
- [XYI] US 2005249503 A1 20051110 - SUN CILI [US], et al
- [YA] US 2009038794 A1 20090212 - YAMATE TSUTOMU [JP], et al
- See references of WO 2014210513A1

Designated contracting state (EPC)

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DOCDB simple family (application)

US 2014044674 W 20140627; EP 14818748 A 20140627; US 201414892304 A 20140627