

Title (en)  
DOWNHOLE WIRELINE COMMUNICATION

Title (de)  
BOHRLOCHKABELKOMMUNIKATION

Title (fr)  
COMMUNICATION FILAIRE DE TROU DE FORAGE

Publication  
**EP 3594445 A1 20200115 (EN)**

Application  
**EP 18183529 A 20180713**

Priority  
EP 18183529 A 20180713

Abstract (en)  
Disclosed is a method (800) for downhole data communication in a downhole communications system. The method is performed by a communication equipment configured to be arranged to transmit and receive signals via an associated wireline at a bitrate. The method comprises the steps of, determining (810), at one or more frequencies, one or more characteristics of the wireline associated with each of the one or more frequencies, and adjusting (830) the bitrate based on the determined one or more characteristics. Also, a downhole data communications system, comprising at least one communication equipment configured to perform the method is presented. Further to this, a communication equipment (210) configured to be arranged to perform the method is disclosed.

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

CPC (source: EP US)  
**E21B 47/01** (2013.01 - EP US); **E21B 47/12** (2013.01 - EP US)

Citation (applicant)  
US 2014091943 A1 20140403 - HERRERA DUARTE JORGE ANDRES [CO], et al

Citation (search report)

- [XA] GB 2408432 A 20050525 - BAKER HUGHES INC [US]
- [A] WO 2018070998 A1 20180419 - HALLIBURTON ENERGY SERVICES INC [US]
- [A] WO 02077413 A1 20021003 - HALLIBURTON ENERGY SERV INC [US], et al
- [A] US 2012250461 A1 20121004 - MILLOT GUILLAUME [FR], et al
- [A] US 2003010493 A1 20030116 - HILL LAWRENCE W [US], et al

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 3594445 A1 20200115**; US 2020018155 A1 20200116; WO 2020011979 A1 20200116

DOCDB simple family (application)  
**EP 18183529 A 20180713**; EP 2019068825 W 20190712; US 201916510001 A 20190712