Title (en)

AUTOMATED DRILLING SYSTEM

Title (de)

AUTOMATISIERTES BOHRSYSTEM

Title (fr)

SYSTÈME DE FORAGE AUTOMATISÉ

Publication

EP 2785969 B1 20170621 (EN)

Application

EP 12809890 A 20121130

Priority

- US 201161565736 P 20111201
- US 2012067402 W 20121130

Abstract (en)

[origin: WO2013082498A2] A drilling system comprises a drilling parameter sensor in communication with a sensor application that generates processed data from raw data that is received from the drilling parameter sensor. A process application is in communication with the sensor application and generates an instruction based on the processed data. A priority controller is in communication with the process application and evaluates the instruction for release to an equipment controller that then issues the instruction to one or more drilling components.

IPC 8 full level

E21B 44/00 (2006.01)

CPC (source: EP)

E21B 44/00 (2013.01)

Citation (opposition)

Opponent : SR Huebner

- WO 2010101473 A1 20100910 - DRILLTRONICS RIG SYSTEM AS [NO], et al
- US 2011031015 A1 20110210 - DOWNTON GEOFF [GB], et al
- TONY PINK ET AL.: "Building an Automated Drilling System Where the Surface Machines are Controlled by Downhole and Surface Data to Optimize the Well Construction Process", SPE PAPER SPE-150973, 6 March 2012 (2012-03-06), pages 1 - 9, XP055480086
- F. IVERSEN ET AL.: "Demonstrating a New System for Integrated Drilling Control", AADE, 10 April 2007 (2007-04-10), pages 1 - 9, XP055480087
- F. IVERSEN ET AL.: "Monitoring and Control of Drilling Utilizing Continuously Updated Process Models", INTERNATIONAL ASSOCIATION OF DRILLING CONTRACTORS, 21 February 2006 (2006-02-21), XP008160277

Cited by

RU2733876C2; WO2022231459A1; WO2023278745A1

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 2013082498 A2 20130606; **WO 2013082498 A3 20140320**; BR 112014013265 A2 20170613; BR 112014013265 A8 20170613; BR 112014013265 B1 20210119; CA 2857650 A1 20130606; CA 2857650 C 20170926; DK 2785969 T3 20170918; EP 2785969 A2 20141008; EP 2785969 B1 20170621

DOCDB simple family (application)

US 2012067402 W 20121130; BR 112014013265 A 20121130; CA 2857650 A 20121130; DK 12809890 T 20121130; EP 12809890 A 20121130