

Title (en)

DOWNHOLE WHIRL DETECTION WHILE DRILLING

Title (de)

ERKENNUNG VON WIRBELN IN EINEM BOHRLOCH WÄHREND DES BOHRENS

Title (fr)

DÉTECTION DE TOURBILLON DE FOND DE TROU PENDANT LE FORAGE

Publication

EP 2981673 A4 20161116 (EN)

Application

EP 14778107 A 20140327

Priority

- US 201361806897 P 20130331
- US 201313874814 A 20130501
- US 2014032042 W 20140327

Abstract (en)

[origin: WO2014165389A1] A method for making downhole whirl measurements in a drill string includes rotating a sensor set in a borehole. The sensor set is deployed in the drill string and includes at least one cross-axial accelerometer and at least one cross-axial magnetometer. Sensor measurements, including a plurality of accelerometer measurements and a plurality of magnetometer measurements made at predetermined measurement intervals, may be obtained while drilling and used to compute a whirl magnitude.

IPC 8 full level

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CPC (source: EP US)

E21B 44/00 (2013.01 - EP); **E21B 47/007** (2020.05 - EP); **E21B 47/01** (2013.01 - EP US); **E21B 47/013** (2020.05 - EP)

Citation (search report)

- [X] US 2012222900 A1 20120906 - RODNEY PAUL F [US], et al
- [A] US 2011186353 A1 20110804 - TURNER WILLIAM EVANS [US], et al
- [A] US 5864058 A 19990126 - CHEN CHEN-KANG DAVID [US]
- See also references of WO 2014165389A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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