

Title (en)
METHOD AND SYSTEM FOR DETERMINING CORE ORIENTATION

Title (de)
VERFAHREN UND SYSTEM ZUR BESTIMMUNG DER KERNAUSRICHTUNG

Title (fr)
PROCÉDÉ ET SYSTÈME DE DÉTERMINATION D'ORIENTATION DE CAROTTE

Publication
EP 3559398 A4 20200916 (EN)

Application
EP 17883213 A 20171222

Priority

- AU 2016905363 A 20161223
- AU 2017051463 W 20171222

Abstract (en)
[origin: WO2018112560A1] A method (60) of determining core orientation of a core sample (12) cut from the ground by a drill rig (10) having a drill string and a drill bit (20) coupled to a downhole end of the drill string. Drilling data (Cn, Rn) is continuously acquired while the drill rig (10) is operating to cut and retrieve the core sample (12). The drilling data is a combination of core orientation data Cn and rig operational data Rn, where the rig operational data is constituted by either one or both of: (a) near bit rig data Nn; and, (b) at surface rig data Sn. The drilling data is analysed for a specific pattern of rig operational data Rn indicative of the core sample being broken from ground by operation of the drill rig (10). On detection of the specific pattern, the orientation of the core sample prior to being broken from the ground is the acquired core orientation data Cn coinciding with that specific pattern of rig operational data Rn.

IPC 8 full level
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CPC (source: EP US)
E21B 25/16 (2013.01 - EP US); **E21B 47/024** (2013.01 - EP US); **E21B 7/06** (2013.01 - US); **E21B 25/02** (2013.01 - US); **E21B 44/00** (2013.01 - US); **E21B 47/026** (2013.01 - US)

Citation (search report)
No further relevant documents disclosed

Designated contracting state (EPC)
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