

Title (en)
DOWNHOLE SELF-PROPELLING WIRELINE TOOL

Title (de)
SELBSTFAHRENDES DRAHTLEITUNGSWERKZEUG IM BOHRLOCH

Title (fr)
OUTIL DE FOND DE TROU DE CÂBLE MÉTALLIQUE AUTOPROPULSÉ

Publication
EP 4163471 A1 20230412 (EN)

Application
EP 21202035 A 20211011

Priority
EP 21202035 A 20211011

Abstract (en)
A downhole driving unit for propelling a tool (1) forward in a well and/or for providing weight on a bit while performing an operation, comprising a tool body (3), an electric motor (4) operating at a rotational speed and powered by a wireline, a plurality of projectable arm assemblies (6) connected in a first arm end with the tool body, a plurality of wheels (8) for contacting a wall of the well, each wheel comprising a hydraulic motor (10) for rotation of the wheel, each arm assembly being at a second arm end connected with one of the plurality of wheels, and a first hydraulic pump (12) driven by the electric motor for generation of a first fluid pressure for projection of the plurality of projectable arm assemblies, wherein the downhole driving unit further comprises a hydraulic section (15) comprising a first controllable valve controlling the first fluid pressure.

IPC 8 full level
E21B 23/00 (2006.01); **E21B 23/14** (2006.01)

CPC (source: EP)
E21B 23/001 (2020.05); **E21B 23/14** (2013.01)

Citation (search report)

- [X] WO 2019004834 A1 20190103 - QINTERRA TECH AS [NO]
- [A] EP 2505772 A1 20121003 - WELLTEC AS [DK]
- [A] WO 2017142415 A1 20170824 - QINTERRA TECH AS [NO]
- [A] EP 2696026 A1 20140212 - WELLTEC AS [DK]

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

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KH MA MD TN

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