

Title (en)
BOREHOLE CROSS-SECTION STEERING

Title (de)
LENKUNG EINES BOHRLOCHQUERSCHNITTS

Title (fr)
PILOTAGE PAR SECTION TRANSVERSALE DE TROU DE FORAGE

Publication
EP 3775467 A4 20211208 (EN)

Application
EP 19777204 A 20190326

Priority

- US 201815935316 A 20180326
- US 201815944605 A 20180403
- US 201816216966 A 20181211
- US 201816216999 A 20181211
- US 201816217019 A 20181211
- US 201916279168 A 20190219
- US 201916284275 A 20190225
- US 2019023954 W 20190326

Abstract (en)
[origin: WO2019191013A1] A drill bit forming a borehole in the earth may be urged sideways, creating a curve in the borehole, by a cross-sectional shape of the borehole. For example, a borehole with a cross-sectional shape comprising two circular arcs of distinct radii, one larger and one smaller than a gauge of the drill bit, may push the drill bit away from the smaller circular arc and into the larger circular arc. Forming a borehole with such circular arcs may be accomplished by extending a cutting element from a side of the drill bit for only a portion of a full rotation of the drill bit. The radii and angular ranges occupied by these circular arcs may be adjusted by altering the timing of extension and retraction of the extendable cutting element.

IPC 8 full level
E21B 10/62 (2006.01); **E21B 7/06** (2006.01); **E21B 10/32** (2006.01)

CPC (source: EP RU US)
E21B 7/04 (2013.01 - RU); **E21B 7/064** (2013.01 - EP US); **E21B 10/62** (2013.01 - EP RU); **E21B 10/32** (2013.01 - EP RU US)

Citation (search report)

- [XD] US 8141657 B2 20120327 - HUTTON RICHARD [GB]
- See references of WO 2019191013A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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