

Title (en)
HYBRID DRILL BIT

Title (de)
HYBRIDBOHRMEISSEL

Title (fr)
TRÉPAN HYBRIDE

Publication
EP 3555410 A1 20191023 (EN)

Application
EP 17883635 A 20171219

Priority
• NZ 72770016 A 20161219
• IB 2017058089 W 20171219

Abstract (en)
[origin: WO2018116140A1] A drill bit for coupling in use downhole drilling apparatus, the drill bit comprising: an annular coring drill bit that is rotatable to cut a formation bore face to create a core plug, a concentric drill bit that can be repeatedly axially moved (such as by oscillation (such as a vibration) and/or impact) to break the core plug.

IPC 8 full level
E21B 10/02 (2006.01); **E21B 7/24** (2006.01); **E21B 10/26** (2006.01); **E21B 10/36** (2006.01); **E21B 10/46** (2006.01)

CPC (source: EP US)
E21B 10/02 (2013.01 - EP US); **E21B 10/04** (2013.01 - EP US); **E21B 10/26** (2013.01 - US); **E21B 10/36** (2013.01 - EP US)

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2018116140 A1 20180628; AU 2017381740 A1 20190711; CA 3047509 A1 20180628; CL 2019001666 A1 20191115;
EP 3555410 A1 20191023; EP 3555410 A4 20200826; US 2020149349 A1 20200514; US 2021246731 A1 20210812; ZA 201903585 B 20220428

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IB 2017058089 W 20171219; AU 2017381740 A 20171219; CA 3047509 A 20171219; CL 2019001666 A 20190617; EP 17883635 A 20171219;
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