

Title (en)
NO VIBRATION STONE COLUMN DRILL

Title (de)
VIBRATIONSLOSE GESTEINSBOHRER

Title (fr)
PERFORATRICE MONTÉE SUR COLONNE À PIERRES SANS VIBRATION

Publication
EP 3830345 A1 20210609 (EN)

Application
EP 20785232 A 20200306

Priority
• NZ 75231519 A 20190403
• IB 2020051936 W 20200306

Abstract (en)
[origin: WO2020201854A1] A drill including a drill flight where the drill flight changes angle from a primary flight angle (A1) to a secondary flight angle (A2).

IPC 8 full level
E02D 3/08 (2006.01); **E02D 3/02** (2006.01); **E02D 3/12** (2006.01); **E02D 5/00** (2006.01); **E02D 7/00** (2006.01)

CPC (source: AU EP US)
E02D 3/08 (2013.01 - AU EP US); **E02D 3/126** (2013.01 - AU US); **E02D 5/46** (2013.01 - AU US); **E02D 5/56** (2013.01 - AU); **E02D 27/12** (2013.01 - AU US); **E21B 10/44** (2013.01 - AU EP); **E21B 17/22** (2013.01 - AU US); **E02D 3/02** (2013.01 - AU); **E02D 5/56** (2013.01 - EP); **E02D 5/62** (2013.01 - AU); **E02D 7/22** (2013.01 - EP); **E02D 2250/0038** (2013.01 - AU US); **E02D 2300/0018** (2013.01 - AU US); **E02D 2300/0079** (2013.01 - US); **E21B 10/44** (2013.01 - US)

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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2020201854 A1 20201008; AU 2020255345 A1 20211028; AU 2020255345 B2 20230713; CA 3133031 A1 20201008; EP 3830345 A1 20210609; EP 3830345 A4 20211222; EP 3830345 B1 20230118; EP 3854942 A1 20210728; EP 3904602 A1 20211103; EP 3904602 B1 20231220; EP 3904602 C0 20231220; SI 3830345 T1 20230428; US 2022136199 A1 20220505

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