

Title (en)
NO VIBRATION STONE COLUMN DRILL

Title (de)
VIBRATIONSLOSER GESTEINSBOHRER

Title (fr)
M?CHE À PIERRE MONTÉE SUR COLONNE SANS VIBRATION

Publication
EP 3904602 A1 20211103 (EN)

Application
EP 21162063 A 20200306

Priority
• NZ 75231519 A 20190403
• EP 20785232 A 20200306
• IB 2020051936 W 20200306

Abstract (en)
A drill including a drill flight where, the drill is a tubular drill including a drill body which is a tube, such that the drill flight is attached to a body outer surface of the drill body and the body outer surface is the exposed outer surface of the drill body wherein, the drill body further includes one or more compactors, where each compactor present extends radially from the drill body..

IPC 8 full level
E02D 3/08 (2006.01); **E02D 7/22** (2006.01); **E21B 10/32** (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)

Citation (applicant)
WO 2014091395 A1 20140619 - MCMILLAN JARON LYELL [NZ]

Citation (search report)
• [XA] JP S5685087 A 19810710 - WATANABE HIROSHI
• [XA] JP H06146765 A 19940527 - ISHIOKA KENSETSU KK
• [XA] EP 2246479 A1 20101103 - SOILMEC SPA [IT]
• [XA] US 2006013656 A1 20060119 - BLUM KENNETH J [US]
• [XA] US 2006198706 A1 20060907 - NEVILLE STEVE [US]

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

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

DOCDB simple family (application)
IB 2020051936 W 20200306; AU 2020255345 A 20200306; CA 3133031 A 20200306; EP 20785232 A 20200306; EP 21162063 A 20200306; EP 21162151 A 20200306; SI 202030174 T 20200306; US 202017436156 A 20200306