

Title (en)
DRILL

Title (de)
BOHRER

Title (fr)
FORET

Publication
EP 3846957 A1 20210714 (DE)

Application
EP 18765613 A 20180904

Priority
EP 2018073756 W 20180904

Abstract (en)

[origin: WO2020048590A1] The aim of the invention is to improve a drill (10), in particular a spiral drill, comprising a base (12) which extends substantially longitudinally in an axial direction relative to a drill axis and which has a drill section (24), wherein, in the base (12), a radially inner core region (122) and a radial outer region (124) are provided in the drill section (24), and the drill section (24) has multiple spiral recesses (116) in the outer region (124) and a wall part (114) is arranged between each two spiral recesses (116). This aim is achieved, according to the invention, in that the drill (10) comprises at least four main cutting edges, in particular exactly four main cutting edges, and/or that the drill (10) comprises at least three central cutting sections.

IPC 8 full level
B23B 51/02 (2006.01)

CPC (source: EP KR US)
B23B 51/02 (2013.01 - EP KR US); **B23B 51/06** (2013.01 - US); **B23B 2250/12** (2013.01 - US); **B23B 2251/04** (2013.01 - EP KR);
B23B 2251/043 (2013.01 - US); **B23B 2251/14** (2013.01 - EP KR US); **B23B 2251/18** (2013.01 - EP KR); **B23B 2251/204** (2013.01 - EP KR US);
B23B 2251/408 (2013.01 - EP KR)

Citation (search report)
See references of WO 2020048590A1

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 2020048590 A1 20200312; CN 112243398 A 20210119; EP 3846957 A1 20210714; KR 102581858 B1 20230925;
KR 20210045479 A 20210426; US 11883887 B2 20240130; US 2021205900 A1 20210708

DOCDB simple family (application)
EP 2018073756 W 20180904; CN 201880094391 A 20180904; EP 18765613 A 20180904; KR 20217008879 A 20180904;
US 202117249215 A 20210224