

Title (en)

APPARATUS FOR TRANSMISSION OF TORQUE FROM A DRILL DEVICE TO A CORE BIT

Title (de)

VORRICHTUNG ZUR DREHMOMENTÜBERTRAGUNG VON EINEM BOHRGERÄT AUF EINE BOHRKRONE

Title (fr)

APPAREIL DE TRANSMISSION DE COUPLE D'UN DISPOSITIF DE FORAGE À UN TRÉPAN

Publication

EP 4072759 A1 20221019 (DE)

Application

EP 20816521 A 20201207

Priority

- EP 19215080 A 20191211
- EP 2020084808 W 20201207

Abstract (en)

[origin: WO2021115987A1] The invention relates to an apparatus (10) for transmitting a torque from a drill device to a core bit, having an insertion end (14) and a tool holder (13). The insertion end (14) is composed of a first outer cone region, a groove region and a second outer cone region and has first longitudinal grooves and second longitudinal grooves. The tool holder (13) is composed of a rotary driving part (42) that has an inner driving region with first inner rotary drivers and second inner rotary drivers, and a locking device (43). In the connected state of the apparatus (10), the first inner rotary drivers engage the first longitudinal grooves and the second inner rotary drivers engage the second longitudinal grooves.

IPC 8 full level

B23B 31/107 (2006.01); **B23B 31/00** (2006.01); **B23B 51/04** (2006.01)

CPC (source: EP US)

B23B 31/008 (2013.01 - EP); **B23B 31/1072** (2013.01 - EP); **B23B 45/003** (2013.01 - US); **B23B 51/0473** (2013.01 - EP)

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)

EP 3834972 A1 20210616; EP 4072759 A1 20221019; US 12053829 B2 20240806; US 2023066196 A1 20230302; WO 2021115987 A1 20210617

DOCDB simple family (application)

EP 19215080 A 20191211; EP 2020084808 W 20201207; EP 20816521 A 20201207; US 202017784376 A 20201207