

Title (en)
BORING APPARATUS AND METHOD

Title (de)
BOHRVORRICHTUNG UND VERFAHREN

Title (fr)
APPAREIL ET PROCÉDÉ DE FORAGE

Publication
EP 3408490 C0 20231108 (EN)

Application
EP 17744682 A 20170113

Priority
• US 201615008071 A 20160127
• US 2017013393 W 20170113

Abstract (en)
[origin: WO2017131969A1] A boring apparatus includes an upper member and a bit body configured to rotate relative to a pilot bit. A first end of the upper member is connected to a workstring. An inner cavity of the upper member includes a first radial cam surface. A first end of the bit body is connected to a second end of the upper member such that the bit body rotates with the upper member. A second end of the bit body includes a working face. The pilot bit includes a first end disposed within the inner cavity of the upper member, and includes a second radial cam surface configured to cooperate with the first radial cam surface to deliver a hammering force. The pilot bit extends through a central bore of the bit body, and includes an engaging surface on its second end configured to engage a formation surrounding the wellbore.

IPC 8 full level
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CPC (source: CN EP US)
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Designated contracting state (EPC)
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Participating member state (EPC – UP)
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DOCDB simple family (publication)
WO 2017131969 A1 20170803; CA 3006024 A1 20170803; CA 3006024 C 20200721; CN 108463608 A 20180828; CN 108463608 B 20210115; CN 112343514 A 20210209; CN 112343514 B 20220729; EA 039489 B1 20220202; EA 201891605 A1 20181228; EP 3408490 A1 20181205; EP 3408490 A4 20191106; EP 3408490 B1 20231108; EP 3408490 C0 20231108

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