

Title (en)
Device for creating a borehole in the ground

Title (de)
Vorrichtung zum Erstellen einer Bohrung im Boden

Title (fr)
Dispositif de réalisation d'un forage dans le sol

Publication
EP 2767672 B1 20191218 (DE)

Application
EP 14151718 A 20140120

Priority
DE 202013001608 U 20130219

Abstract (en)
[origin: EP2767672A2] The device (10) has a support device (12) which is mounted on mast (20). The mast is provided with a carriage (22) in which a rotary drive unit (24) is arranged for rotating a drill string (30). A carriage drive is provided for moving the carriage along the mast. A control device (80) is provided for controlling the carriage drive so as to output the control signal to the carriage drive such that the load force of drill string is adjusted corresponding to predetermined value.

IPC 8 full level
E21B 44/02 (2006.01); **E21B 7/02** (2006.01)

CPC (source: EP)
E21B 7/022 (2013.01); **E21B 44/02** (2013.01)

Citation (examination)
• WO 9939078 A1 19990805 - BOART LONGYEAR INT HOLDING INC [US], et al
• US 4491738 A 19850101 - KAMP ANTHONY-WILLEM [NL]
• GB 2270385 A 19940309 - SCHLUMBERGER SERVICES PETROL [FR]

Cited by
CN108952565A; EP3091173A1; EP4174283A1

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

DOCDB simple family (publication)
DE 202013001608 U1 20130308; EP 2767672 A2 20140820; EP 2767672 A3 20160113; EP 2767672 B1 20191218; ES 2773500 T3 20200713; RU 2014102430 A 20150810; RU 2576063 C2 20160227

DOCDB simple family (application)
DE 202013001608 U 20130219; EP 14151718 A 20140120; ES 14151718 T 20140120; RU 2014102430 A 20140127