

Title (en)

DRILLING APPARATUS AND METHOD FOR PRODUCING A BOREHOLE FROM A FLOATING PLATFORM

Title (de)

BOHRGERÄT UND VERFAHREN ZUM ERSTELLEN EINER BOHRUNG VON EINER SCHWIMMENDEN PLATTFORM

Title (fr)

DISPOSITIF DE FORAGE ET PROCÉDÉ D'ÉTABLISSEMENT D'UN FORAGE DEPUIS UNE PLATEFORME FLOTTANTE

Publication

**EP 3124740 B1 20190403 (DE)**

Application

**EP 15178514 A 20150727**

Priority

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Abstract (en)

[origin: CA2993114A1] The invention relates to a drilling apparatus and a method for producing a bore in the bottom of a body of water from a floating platform (4) which is exposed to lifting motions, in particular a wave motion of the body of water (8), wherein the drilling apparatus comprises a drill string (10) which comprises at least one drill string element (12, 14, 15, 16) which is displaceable in the axial direction and at least one abutment strip (20, 22) which extends in the axial direction and is in engagement for torque transmission with the formation of a contact surface. The drilling apparatus further comprises a carrier device (30) along which the drill string is substantially vertically displaceable, and a drilling drive (40) for applying a torque to the drill string. The drilling apparatus according to the invention is characterized in that a control unit (50) is provided which is designed to control and reduce the torque of the drilling drive during the drilling operation to a threshold value at which the at least one drill string element is further axially displaceable to compensate for lifting motions when there is friction on the contact surface.

IPC 8 full level

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Citation (examination)

- US 3716106 A 19730213 - PETERSON E
- WO 2008068445 A1 20080612 - VARCO INT [US], et al
- US 2010057279 A1 20100304 - KYLLINGSTAD AAGE [NO]

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