

Title (en)
DRILLING DEVICE AND METHOD FOR DRILLING A WELL

Title (de)
BOHRVORRICHTUNG UND VERFAHREN ZUM ABTEUFEN EINER BOHRUNG

Title (fr)
DISPOSITIF DE FORAGE ET PROCEDE DE FORAGE D'UN PUIT

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Application
EP 99952441 A 19990819

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Abstract (en)
[origin: DE19837692A1] The present invention relates to a drilling device for a drilling plant, and mainly to a drilling plant that can be used in exploration and production wells mainly for hydrocarbon fields both at sea or inland. This invention also relates to a method for drilling such a well. According to the present invention, the drilling device comprises a support mechanism in or on which are mounted: a rotating head capable of axial sliding displacement relative to the longitudinal axis of the support mechanism; and a multifunctional gripper which is capable of displacement perpendicularly relative to the support mechanism, and which is used for gripping and guiding the drilling rods. The support mechanism is rigid and is preferably mounted so as to be capable of tilting movement and/or rotation. An intermediate member (27) or a pivoting crown (9) is connected to the support mechanism (1). The present invention advantageously provides a drilling device with extremely reduced dimensions which is capable of handling the rods in an autonomous manner. This invention also relates to a drilling plant characterised in that it comprises two or more drilling devices capable of displacement or rotation or tilting movement alternatively in the middle of the wellbore.

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