

Title (en)
DOWN-THE-HOLE DRILLING DEVICE

Title (de)
ABWÄRTSBOHRVORRICHTUNG

Title (fr)
DISPOSITIF DE FORAGE DE FOND

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Application
EP 17769509 A 20170214

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Abstract (en)
[origin: WO2017162909A1] The invention relates to a down-the-hole drilling device (1) for drilling to be performed with a casing pipe, wherein the drilling device comprises in its drilling head: a drilling arrangement having first drilling means for drilling a center hole and second drilling means for reaming the center hole for the casing pipe; and a flushing flow arrangement for feeding of a pressurized flushing medium onto a drilling surface of the drilling arrangement by a feed flow arrangement that is arranged to lead the flushing medium for drilling onto the drilling surface (P1) of the first drilling means at a flushing channel assembly (6a1) therein in essentially radial direction. The drilling surfaces of the first and second drilling means are provided with cutting inserts (10a) submerged therein. The drilling surface (P1) of the first drilling means comprises a protrusion assembly (PT) in order to enhance drilling efficiency and to guide drilling waste at the flushing channel assembly (6a1).

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