

Title (en)

HYDRAULIC ROTARY PERCUSSION APPARATUS FOR BORING MINE HOLES

Title (de)

HYDRAULISCHER DREH SchlagBOHRER ZUM BOHREN VON MINENLÖCHERN

Title (fr)

APPAREIL ROTOPERCUTANT HYDRAULIQUE DESTINÉ À LA PERFORATION DE TROUS DE MINE

Publication

EP 2616623 B1 20160302 (FR)

Application

EP 11764832 A 20110902

Priority

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Abstract (en)

[origin: CN102400643A] Provided is a hydraulic rotary punching device (2) for perforation, comprising a housing (3) forming a supporting member and a punching mechanism for a vertical body (8), wherein the vertical body (8), along the axis (A) of the vertical body, is installed inside the housing (3) in a rotary manner. The punching mechanism comprises a pot (9) extending along the axis of the vertical body, a punching piston (11) installed in the pot in a sliding manner and used for punching a drillstock (13) connected to the drill pipe, and a distribution device designed for controlling the punching piston (11) to conduct advance and return movement along the axis of the vertical body. The hydraulic rotary punching device (2) further comprises a motor (6) designed for driving the vertical body of the punching mechanism to rotate along a rotary axis (B) roughly coincident with the axis of the vertical body. The punching mechanism comprises a close cap (12) arranged upon the vertical body (8) and designed for closing one end portion of the vertical body, wherein the close cap (12) is connected to an output shaft (7) of the motor in a rotary manner and at least partly comprises the distribution device.

IPC 8 full level

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