

Title (en)
PERCUSSION DEVICE OF ROCK BREAKING DEVICE AND METHOD FOR CONTROLLING PERCUSSION DEVICE

Title (de)
SCHLAGVORRICHTUNG FÜR EINE GESTEINSZERTRÜMMERUNGSVORRICHTUNG UND VERFAHREN ZUR STEUERUNG DER SCHLAGVORRICHTUNG

Title (fr)
DISPOSITIF DE PERCUSSION DE DISPOSITIF D'ABATTAGE DE ROCHES ET PROCÉDÉ DE COMMANDE DE DISPOSITIF DE PERCUSSION

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EP 2718063 A1 20140416 (EN)

Application
EP 12796938 A 20120607

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• FI 2012050568 W 20120607

Abstract (en)
[origin: WO2012168559A1] The invention relates to a percussion device of a rock breaking device, a method for controlling the percussion device and a rock drilling unit. The percussion device (11) comprises a percussion piston (33), the work cycle of which is controlled by means of a control valve (40, 77). During the movement of the percussion piston, a pressure pulse is generated by closing a pressure connection (Y1, Y2) from at least one impulse space (44, 45) surrounding the percussion piston. The pressure pulse is used to change the position of the valve from one extreme position to an other. The impulse space is an annular space defined in a radial direction by the percussion piston and the frame (25). The frame is further provided with at least one impulse channel (58, 59) for transmitting a pressure pulse to the pressure surface of the control valve.

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