

Title (en)

NOZZLING DEVICE FOR CHISEL BITS AND A METHOD FOR NOZZLING ROUND SHANK CHISEL BITS OF A HOLING MACHINE

Title (de)

BEDÜSUNGSEINRICHTUNG FÜR MEISSEL SOWIE VERFAHREN ZUM BEDÜSEN DER RUNDSCHAFTMEISSEL EINER SCHRÄMEINRICHTUNG

Title (fr)

DISPOSITIF POUR EQUIPER DES PICS AVEC DES BUSES, AINSI QUE PROCEDE POUR EQUIPER AVEC DES BUSES LES PICS A QUEUE CYLINDRIQUE D'UNE HAVEUSE

Publication

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Application

EP 99908666 A 19990316

Priority

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Abstract (en)

[origin: WO9947791A1] The invention relates to a nozzle device for equipping chisel bits (13) of a holing machine in which the chisel bits are configured as round shank chisel bits (13) having a hard material or hard metal insert. The nozzles (19) are oriented in the direction of the cutting path, whereby water is supplied over a part of the rotation of the cutting heads (11) or cutting rollers by means of a sector control. In order to decrease the wear of the hard metal or hard material inserts, the invention provides that the axes (22) of the nozzles (19) are arranged such that they are sloped toward the chisel bit tips (23) and toward the cutting path. In addition, the sector control is adjusted in such a way that the nozzles (19) are actuated with pressurized water over an angle ranging from at least 45 DEG , preferably between 65 DEG and 85 DEG , of the rotation of the cutting head (11) or of the cutting roller after the chisel bit (13) exits the rock. The nozzles (19) are actuated by a pressure exceeding 50 bar.

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IPC 8 full level

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