

Title (en)
METHOD FOR PRODUCING BORES

Title (de)
VERFAHREN ZUM ERZEUGEN VON BOHRUNGEN

Title (fr)
PROCÉDÉ DE CRÉATION DE PERÇAGES

Publication
EP 2387480 A1 20111123 (DE)

Application
EP 10700738 A 20100113

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Abstract (en)
[origin: WO2010081828A1] The invention relates to a method for producing bores (1), wherein a tool (22) which is connected as a cathode and a workpiece (20) which is connected as an anode are connected to a voltage source (21). The workpiece (20) and the tool (22) are interconnected via an electrolyte (26) in an electroconductive manner. An electrical potential difference (Ua) is produced at least at times between the workpiece (20) and the tool (22) to remove material from the workpiece (20). The workpiece (20) and the tool (22) are furthermore subjected to a relative movement in relation to each other to produce the bore (1). The invention is characterized in that the potential difference (Ua) between the workpiece (20) and the tool (22) is adjusted by choosing the voltage level in such a manner that a gas vapor envelope (27) is produced and surrounds the tool (22). The method according to the invention allows bores (1) to be economically produced with a relatively simple tool (22).

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