

Title (en)

METHOD FOR OPERATING A MACHINE TOOL, AND MACHINE TOOL OPERABLE BY THE METHOD

Title (de)

VERFAHREN ZUM BETREIBEN EINER WERKZEUGMASCHINE UND WERKZEUGMASCHINE BETREIBBAR MIT DEM VEFAHREN

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UNE MACHINE-OUTIL ET MACHINE-OUTIL POUVANT ÊTRE ACTIONNÉE PAR LE PROCÉDÉ

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Application

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Abstract (en)

[origin: CA3015145A1] The invention relates to a method for operating a machine tool (1), in particular a core drill, comprising an electric motor for driving a drilling tool, in particular a core drill bit (9), and comprising an open- and closed-loop controller for open- and closed loop control of the motor power by means of the motor current of the electric motor, characterized by the method steps: operating the machine tool (1) in a tapping mode at a first rotational speed value, wherein the first rotational speed value is lower than a predetermined idling speed value of the electric motor; detecting a predetermined first threshold value for the motor current; reducing the motor current to a predetermined second threshold value (I_o) when the first threshold value for the motor current is exceeded; operating the machine tool (1) at a second rotational speed value, wherein the second rotational speed value is lower than the first rotational speed value; operating the electric motor at a predetermined motor current value; and operating the open- and closed-loop controller for closed loop control of the motor power by means of the motor current with an oscillating action. The invention further relates to a machine tool operable by the method.

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