

Title (en)
METHOD FOR PROCESS CONTROL OR PROCESS REGULATION OF A UNIT FOR MOULDING, COOLING AND/OR THERMAL TREATMENT OF METAL

Title (de)
VERFAHREN ZUR PROZESSSTEUERUNG ODER PROZESSREGELUNG EINER ANLAGE ZUR UMFORMUNG, KÜHLUNG UND/ODER WÄRMEBEHANDLUNG VON METALL

Title (fr)
PROCEDE DE COMMANDE OU DE REGULATION DE PROCESSUS D'UNE INSTALLATION DE FORMAGE, DE REFROIDISSEMENT ET/OU DE TRAITEMENT THERMIQUE DE METAL

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Abstract (en)
[origin: WO2004050923A1] According to the invention, a method for process control or process regulation of a unit for moulding, cooling and/or thermal treatment of metal, in particular for steel or aluminium, whereby the unit is provided with actuators for setting particular operating parameters and the method process is based on a method model can be achieved, with which it is possible to adjust online desired structural features and, by using structural property relationships, desired material properties can be adjusted, whereby at least one current value predictive of the metal structure is recorded online and, depending on said value, suitable process control and/or process regulation parameters for acting on the actuators to set desired structure properties of the metal are determined using a structural model and the method model on which the process is based.

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