

Title (en)

METHOD OF CONTROLLING THE CASTING PARAMETERS IN A DIE-CASTING MACHINE.

Title (de)

VERFAHREN ZUR REGELUNG VON GIESSPARAMETERN IN EINER DRUCKGIESSMASCHINE.

Title (fr)

PROCEDE POUR LE REGLAGE DES PARAMETRES DE COULEE DANS UNE MACHINE A COULER SOUS PRESSION.

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Application

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Abstract (en)

[origin: WO9218274A1] The invention concerns a method of controlling the casting parameters in the pre-fill, mould-filling and/or dwell pressure phase of the casting process in a cold-chamber die-casting machine, the casting phases being controlled as a function of the travel of a piston, which can be displaced longitudinally inside the casting chamber, in conjunction with the amount of molten metal introduced. In order to ensure precise control of the most diverse casting parameters during the pre-fill, mold-filling or dwell pressure phase of the casting process, the exact amount of molten metal (5) present in the casting chamber (2) is determined without contact by means of an optical measurement device (8), the signal from which is processed in a control device (12).

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