

Title (en)
METHOD AND MOULD SHOOTER FOR PRODUCING MOULD PARTS, SUCH AS CASTING CORES, FOR CASTING MOULDS USED TO CAST METAL MELTS

Title (de)
VERFAHREN UND FORMSCHIESSMASCHINE ZUM HERSTELLEN VON FORMTEILEN, WIE GIESSKERNEN, FÜR GIESSFORMEN ZUM VERGIESSEN VON METALLSCHMELZE

Title (fr)
PROCEDE ET MACHINE A TIRER LES MOULES POUR PRODUIRE DES PIECES MOULEES, TELLES QUE DES NOYAUX DE COULEE, POUR DES MOULES UTILISES POUR COULER DES METAUX EN FUSION

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Application
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Abstract (en)
[origin: US2004250977A1] The invention relates to a method for the manufacture of mould parts, in particular of casting cores, for casting moulds for the casting of molten metal heats, wherein, in a shoot-moulding machine (1), with the aid of filling elements, such as shooting nozzles (8) and a shooting hood (6), material mould (F) containing an inorganic binding agent is filled into a cavity (12) of a mould tool (10) which determines the shape of the mould part (K) which is to be manufactured, wherein, heat is supplied to the mould material (F) filled into the mould tool (10), over a hardening period, in order for the mould material (F) to solidify due to the extraction of moisture, and wherein, during the hardening period, at least the filling elements (6,8) of the shoot-moulding machine (1), which contains mould material (F), and which are in a stand-by position during this hardening period, and are heated concomitantly by the radiant heat emitted by the mould tool (10), are kept at a moisture content level which prevents the solidifying of the mould material (F). In this way, mould parts for casting moulds can be manufactured reliably and with reduced defect incidence from a mould material containing an inorganic binding agent.

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