

Title (en)

METHOD FOR ASSEMBLING A MOULD FOR CASTING A PART FROM MOLTEN METAL

Title (de)

VERFAHREN ZUM MONTIEREN EINER GIEßFORM ZUM GIEßEN EINES GUSSTEILS AUS EINER METALLSCHMELZE

Title (fr)

PROCÉDÉ DE MONTAGE D'UN MOULE POUR COULER UNE PIÈCE EN MÉTAL FONDU

Publication

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Application

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Abstract (en)

[origin: WO2007090895A1] The invention relates to a method for assembling a mould that is composed of mould sections and is used to cast a cylinder block of an internal combustion engine from molten metal. According to said method, at least one chill (14 - 17), which forms at least one sub-section of the inner surfaces of a cylinder chamber, is positioned and held against a wall (11) of one of the mould sections (1). The method according to the invention permits moulds comprising chills in the mould cavity to be assembled simply and reliably. To achieve this, the chill (14 - 17) is held in position for a specific holding period by means of magnetic forces that are exerted by a magnet (12), which is positioned on the opposite side of the wall (11) of the mould (1) from the chill (14 - 17).

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