

Title (en)

SAND MOULD, MOULDING DEVICE CONSISTING OF AN INSERTABLE RISER BASE AND THE SAND MOULD AND METHOD FOR PRODUCING THE MOULDING DEVICE

Title (de)

SANDFORM, FORMVORRICHTUNG MIT EINSETZBAREM STEIGERSOCKEL UND DER SANDFORM UND VERFAHREN ZUR HERSTELLUNG DER FORMVORRICHTUNG

Title (fr)

MOULE EN SABLE, DISPOSITIF DE MOULAGE COMPOSÉ D'UNE BASE DE MASSELOTTE INSÉRABLE ET DU MOULE EN SABLE ET PROCÉDÉ PERMETTANT D'OBTENIR LE DISPOSITIF DE MOULAGE

Publication

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Application

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Priority

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Abstract (en)

[origin: EP3147046A1] The riser base is an insert obtained by manual moulding or by blowing having an insulating or exothermal composition, which comprises hollow microspheres of aluminium silicate. The mould is made, mainly, of silica sand and presents a main cavity designed to be filled with molten metal to obtain a cast part and one or several auxiliary cavities. The insert fits into the auxiliary cavity made in the mould and presents an interior cavity configured to receive molten metal from a feeding riser or mini-feeding riser and an exterior geometry which coincides with the geometry of the aforesaid auxiliary cavity. The auxiliary cavity or cavities made in the mould itself, are disposed in such a way that, when the riser base is inserted into said auxiliary cavity, the interior cavity of the riser base is left in communication with said main cavity of the mould (part) to allow passage of the molten metal.

IPC 8 full level

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