

Title (en)
LEVITATION MELTING METHOD USING MOVABLE INDUCTION UNITS

Title (de)
SCHWEBESCHMELZVERFAHREN MIT BEWEGLICHEN INDUKTIONSEINHEITEN

Title (fr)
PROCÉDÉ DE FUSION PAR LÉVITATION AU MOYEN D'UNITÉS D'INDUCTION MOBILES

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Abstract (en)
[origin: WO2020016061A1] The invention relates to a levitation melting method and to a device for producing cast bodies using movable induction units. In the method, induction units are used in which the respective opposing ferrite poles are designed to be movable together with the induction coils and can move in opposite directions. Thus, the induction units are arranged closely together in order to melt the batches so as to achieve an increased efficiency of the induced magnetic field. Upon casting the molten batch, the induced magnetic field is reduced by increasing the distance of the ferrite poles together with the induction coils, thus preventing the molten metal from coming into contact with the ferrite poles or the induction coils.

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