

Title (en)
EQUIPMENT FOR SUPPLYING MOLTEN METAL TO A CONTINUOUS CASTING INGOT MOULD AND METHOD FOR USING SAME

Title (de)
VORRICHTUNG ZUR BESCHICKUNG VON FLÜSSIGEM METALL IN EINE STRANGGUSSKOKILLE UND VERFAHREN ZU DEREN VERWENDUNG

Title (fr)
EQUIPEMENT POUR ALIMENTER EN METAL EN FUSION UNE LINGOTIERE DE COULEE CONTINUE ET SON PROCEDE D'UTILISATION

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Abstract (en)
[origin: US2002179281A1] The apparatus comprises a submerged entry nozzle (6) having outlets in the main casting plane (P) which differ in their direction of output and fall within two categories (7, 8), said nozzle being associated with two inductors (14, 15) opposite each other on each broad face (22) of the casting mold forming a gap which surrounds the nozzle and producing a traversing magnetic field covering the outlets of at least one category (7), means being provided for adjusting the intensity of the field or for moving it so as to be able to change the distribution between the outlets of the total flow of molten metal. In particular, implementing the invention makes it possible to adjust at any time that fraction of the metal flow which is directed toward the free surface (9) with respect to that, main, fraction directed toward the bottom of the mold. Advantageously, the invention applies to the continuous casting of steel slabs.

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