Title (en)
METHOD FOR MANUFACTURING A METAL INGOT COMPRISING A BORE, AND ASSOCIATED INGOT AND MOLDING DEVICE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES METALLBLOCKS MIT EINER BOHRUNG SOWIE ENTSPRECHENDER METALLBLOCK UND PRESSFORM

Title (fr)
PROCEDE POUR FABRIQUER UN LINGOT METALLIQUE COMPORTANT UN ALESAGE, LINGOT ET DISPOSITIF DE MOULAGE ASSOCIES

Publication
EP 2490842 A1 20120829 (FR)

Application
EP 09768538 A 20091021

Priority
FR 2009052014 W 20091021

Abstract (en)
[origin: WO2011048279A1] In said method, the mold (1), which includes a mold cavity (3A) defined by an ingot mold (2), a core (4) and a bottom (27), is arranged inside a vacuum-cast enclosure (5) including a means (9) of introducing molten metal at the upper portion thereof. A means (11A, 11') for receiving and distributing molten metal, which is suitable for receiving the molten steel introduced into the vacuum-cast enclosure (5) and for redistributing the molten metal in the mold cavity (3A), is arranged at the upper portion of the mold cavity (3A). The molten metal is introduced into the enclosure (5) so as to form a first jet of molten steel (50) under a vacuum, in order to pour the molten metal over the receiving and distributing means (11A, 11') and to form at least one second jet of molten steel (52) under a vacuum, which originates with the receiving and distributing means (11A, 11') and terminates in the mold cavity (3A) so as to fill the mold cavity (3A) with molten metal.

IPC 8 full level
B22D 7/04 (2006.01)

CPC (source: EP KR US)
B22D 7/04 (2013.01 - EP KR US); **B22D 7/06** (2013.01 - EP US); **B22D 18/06** (2013.01 - EP US)

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