

Title (en)
CASTING FACILITY AND CASTING METHOD

Title (de)
GIESSANLAGE UND GIESSVERFAHREN

Title (fr)
ÉQUIPEMENT DE COULÉE ET PROCÉDÉ DE COULÉE

Publication
EP 3666416 A4 20200617 (EN)

Application
EP 17920988 A 20171219

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Abstract (en)
[origin: EP3666416A1] In accordance with an exemplary embodiment, a slab casting method includes disposing a ladle in which molten steel is accommodated at each of an upper side and an outer side of a tundish, performing casting by supplying the molten steel of the ladle disposed at a casting position of the upper side of the tundish, and blowing an inert gas into the ladle disposed at the casting position. Thus, in accordance with an exemplary embodiment, the inert gas is blown when the ladle is in a stand-by position on the turret device and when casting of supplying the molten steel to the tundish is performed. Thus, inclusions may be reduced in comparison with the related art, and clean steel may be produced. That is, generation of the inclusions may be reduced by performing micro-bubbling after the ladle is opened when the ladle is at the stand-by position. Also, the inclusions in the molten steel in the ladle may be reduced during casting by blowing the inert gas into the ladle during casting.

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Citation (search report)
• [X] JP 2005103552 A 20050421 - DAIDO STEEL CO LTD
• [A] KR 20150006859 A 20150119 - JFE STEEL CORP [JP]
• [A] CN 103184315 A 20130703 - DUSANA HEAVY INDUSTRY CO LTD
• See references of WO 2019031661A1

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