

Title (en)

METHOD, CONTROLLER AND TUNDISH CONTROL SYSTEM FOR A CONTINUOUS CASTING PROCESS

Title (de)

VERFAHREN, STEUERUNG UND GUSSWANNENSTEUERSYSTEM FÜR EIN STRANGGUSSVERFAHREN

Title (fr)

PROCÉDÉ, DISPOSITIF DE COMMANDE, ET SYSTÈME DE COMMANDE DE PANIER DE COULÉE POUR UN PROCESSUS DE COULÉE CONTINUE

Publication

**EP 2958691 A1 20151230 (EN)**

Application

**EP 13706950 A 20130219**

Priority

EP 2013053250 W 20130219

Abstract (en)

[origin: WO2014127800A1] The present disclosure relates to a method of controlling the temperature of molten metal in a tundish during a ladle tapping cycle in a continuous casting process. By means of this method, the quality of the casted material may be improved. The method comprises a) obtaining a measure of a temperature of molten metal in the tundish; b) comparing the obtained measure of temperature with a desired a desired tundish melt temperature; c) determining whether the measure of temperature is lower than the desired tundish melt temperature and in case the measure of temperature is lower than the desired tundish melt temperature; d) controlling the temperature of the molten metal in the tundish by means of a heating arrangement which heats the molten metal in the tundish, and by means of an electromagnetic stirrer which stirs the molten metal in order to distribute heated molten metal in the tundish such that the temperature of the molten metal in the tundish approaches the desired tundish melt temperature. A controller and tundish control system is also presented herein.

IPC 8 full level

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CPC (source: EP US)

**B22D 1/00** (2013.01 - EP US); **B22D 11/10** (2013.01 - US); **B22D 11/16** (2013.01 - US); **B22D 41/01** (2013.01 - US); **B22D 41/015** (2013.01 - EP US); **F27D 21/0014** (2013.01 - EP US)

Citation (search report)

See references of WO 2014127800A1

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