

Title (en)  
ADJUSTING THE MODE OF ELECTROMAGNETIC STIRRING OVER THE HEIGHT OF A CONTINUOUS CASTING MOULD

Title (de)  
EINSTELLUNG DES MODUS VON ELEKTROMAGNETISCHEM RÜHREN ÜBER DIE HÖHE EINER STRANGGUSSFORM

Title (fr)  
REGLAGE DU MODE DE BRASSAGE ELECTROMAGNETIQUE SUR LA HAUTEUR D'UNE LINGOTIERE DE COULEE CONTINUE

Publication  
**EP 1954427 A1 20080813 (FR)**

Application  
**EP 06820242 A 20061018**

Priority  
• FR 2006002355 W 20061018  
• FR 0512112 A 20051128

Abstract (en)  
[origin: FR2893868A1] The adjustment of the mode of electromagnetic stirring in a continuous casting mould comprises: (A) using pairs of induction coils (10a to 11b) sliding vertically over the height of the mould from a low stirring position assisting the incoming liquid metal jets to a high stirring position making the cast liquid metal rotate about the casting axis at the meniscus (9) level; (B) on passing from one position to the other, the connection of the coils to the phases of the power supply (7) is modified so as to reverse the direction of travel of the magnetic field of only one of the two coils of any one pair, and also that, of the two coils of the other pair, which is symmetrical with respect to the casting axis. An independent claim is also included for the electromagnetic stirring equipment for the continuous casting mould.

IPC 8 full level  
**B22D 11/18** (2006.01)

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**B22D 11/20** (2013.01 - EP US)

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See references of WO 2007060301A1

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