

Title (en)

METHOD AND DEVICE FOR THIN-SLAB STRAND CASTING

Title (de)

VERFAHREN UND VORRICHTUNG ZUM DUNNBRAMMENSTRANGGIESSEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE COULÉE CONTINUE DE BRAMES MINCES

Publication

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Application

EP 15716054 A 20150415

Priority

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Abstract (en)

[origin: WO2015162039A1] The invention relates to a method for thin-slab strand casting, comprising the following steps: feeding a metal melt into a mold, molding a partially solidified thin-slab strand from the metal melt in the mold, reducing the flow velocity of the metal melt in the partially solidified thin-slab strand by means of an electromagnetic brake (EMBR) arranged in the region of the mold, and leading away the partially solidified thin-slab strand from the mold by means of a strand-guiding system, wherein unsolidified parts of the partially solidified thin-slab strand are stirred by means of an electromagnetic stirrer arranged below the mold downstream in the strand draw-off direction of the thin-slab strand, wherein a traveling electromagnetic field is produced by means of the electromagnetic stirrer in a region of the thin-slab strand that lies at a distance between 20 and 7,000 millimeters from the mold in the strand draw-off direction.

IPC 8 full level

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Citation (opposition)

Opponent : Primetals Technologies Austria GmbH

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