

Title (en)

METHOD AND DEVICE FOR PRODUCING A METAL STRIP IN A STRIP CASTING MACHINE WITH ROLLS

Title (de)

VERFAHREN SOWIE EINE VORRICHTUNG ZUR HERSTELLUNG EINES METALLBANDES AN EINER ROLLEN-BANDGIESSMASCHINE

Title (fr)

PROCEDE ET DISPOSITIF DE PRODUCTION D'UNE BANDE METALLIQUE DANS UNE MACHINE DE COULEE EN BANDE A ROULEAUX

Publication

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Application

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Abstract (en)

[origin: WO03024643A2] The invention concerns a method for producing a metal strip, whereby molten metal is continuously poured between two casting rolls (1, 2) of a strip casting machine with rolls. Above the molten bath (4) and respectively proximate to the molten bath (5)/ casting rolls (1, 2) transition surface a rotating magnetic field is produced which generates, in the molten metal, local turbulent flows, so that a surface current is formed in said molten metal, which surface current is directed by the casting rolls (1, 2) towards the central plane (E) of the molten bath (4), that is towards the plane for output of the metal strip (8), thereby enabling to largely prevent supernatant impurities at the surface of the molten bath and oxides located on the surface of the rolls from being deposited, and the molten metal particles from being prematurely solidified.

IPC 8 full level

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