

Title (en)

METHOD AND DEVICE FOR THE PRODUCTION OF A METAL STRIP BY ROLL CASTING

Title (de)

VERFAHREN UND VORRICHTUNG ZUM HERSTELLEN EINES METALLBANDES DURCH GIESSWALZEN

Title (fr)

PROCÉDÉ ET DISPOSITIF PERMETTANT LA FABRICATION D'UNE BANDE MÉTALLIQUE PAR COULÉE ET LAMINAGE EN CONTINU

Publication

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Application

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Abstract (en)

[origin: CA2693205A1] The invention pertains to a method for manufacturing a metal strip (1) by means of continuous casting and rolling, wherein a thin slab (3) is initially cast in a casting machine (2) and this thin slab is subsequently rolled in at least one rolling train (4, 5) by utilizing the primary heat of the casting process, wherein a continuous manufacture of the metal strip (1) (continuous rolling) can be realized in a first operating mode by directly coupling the casting machine (2) to the at least one rolling train (4, 5), and wherein a discontinuous manufacture of the metal strip (1) (batch rolling) can be realized in a second operating mode by decoupling the casting machine (2) from the at least one rolling train (4, 5). In order to increase the flexibility of the system, the invention proposes that cast slabs (3) or preliminary strips (3') are removed from the main transport line (6) downstream of the casting machine (2) referred to the strip transport direction (F) in the discontinuous manufacture of the metal strip (1), stored and subsequently transported back into the main transport line (6), wherein the removed slabs (3) or preliminary strips (3') are heated to a desired temperature or maintained at a desired temperature prior to the transport back into the main transport line (6). The invention furthermore pertains to a device for manufacturing a metal strip (1) by means of continuous casting and rolling.

IPC 8 full level

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