

Title (en)

METHOD AND DEVICE FOR PRODUCING A HOT-ROLLED STEEL STRIP FROM MOLTEN STEEL

Title (de)

VERFAHREN UND ANLAGE ZUR HERSTELLUNG VON WARMGEWALZTEM STAHLBAND AUS EINER STAHLSCHELMZE

Title (fr)

PROCEDE ET INSTALLATION DE PRODUCTION D'UNE BANDE D'ACIER LAMINEE A CHAUD A PARTIR D'UNE MASSE D'ACIER EN FUSION

Publication

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Application

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Abstract (en)

[origin: WO0010741A1] The invention relates to a method and a device for producing hot-rolled steel strip. To be able to use said device in a combination plant and with a minimum number of rolling passes the method provides for the following combination of steps: continuous casting of steel melt in a cooled, oscillating continuous-casting mould using the free jet casting method, the pouring stream being protected against atmospheric influences; release of an at least partly solidified casting strand with a strand thickness of between 15 and 50 mm from the continuous-casting mould; possible heating of the casting strand to rolling temperature in a heating phase immediately prior to rolling; rolling of the casting strand to a hot-rolled steel strip having a thickness of between 0.6 and 12.0 mm in several rolling passes; and cooling of the steel strip in a cooling line positioned downstream, followed by coiling of the strip in a reeling plant.

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