

Title (en)
METHOD FOR PRODUCING A HOT-ROLLED STEEL STRIP AND COMBINED CASTING AND ROLLING INSTALLATION FOR CARRYING OUT THE METHOD

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES WARMGEWALZTEN STAHLBANDES UND KOMBINIERTE GIESS- UND WALZANLAGE ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)
PROCEDE DE FABRICATION D'UN FEUILLARD D'ACIER LAMINE A CHAUD ET INSTALLATION COMBINEE DE COULEE ET DE LAMINAGE EN VUE DE LA MISE EN OEUVRE DU PROCEDE

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Application
EP 06818359 A 20061103

Priority
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Abstract (en)
[origin: WO2007054237A1] A method for producing a hot-rolled steel strip from a steel melt in a continuous production process, with the strip running through uninterruptedly, comprises the following method steps: continuous casting of a steel strand (5) in a continuous casting mould (2) of a continuous casting installation (1), roll forming of the cast steel strand in a first group of roll stands (6) to form a pre-rolled hot strip (7), further roll forming of the pre-rolled hot strip in a second group of roll stands (19) to form a hot-rolled steel strip (21), setting the pre-rolled hot strip to rolling temperature between the first group of roll stands and the second group of roll stands in a temperature setting device (14), and winding up the hot-rolled steel strip into coils or dividing up the hot-rolled steel strip into panels. In order to increase flexibility in the production of different grades of steel and keep investment costs and operating costs low, it is proposed that the pre-rolled hot strip is descaled immediately before entering the temperature setting device, the pre-rolled hot strip is kept in a protective gas atmosphere in the temperature setting device and the pre-rolled hot strip is roll-formed in the second group of roll stands immediately after running through the temperature setting device. Furthermore, a combined casting and rolling installation for carrying out the method is proposed.

IPC 8 full level
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