

Title (en)  
INTEGRATED CONTINUOUS CASTING AND IN-LINE HOT ROLLING PROCESS, AS WELL AS RELATIVE PROCESS WITH INTERMEDIATE COILING AND UNCOILING OF THE PRE-STRIP

Title (de)  
INTEGRIERTES KONTINUIERLICHES STRANGGIESS- UND INLINE WARMWALZVERFAHREN SOWIE ENTSPRECHENDES VERFAHREN MIT ZWISCHENWICKELN UND ABWICKELN DES VORSTREIFENS

Title (fr)  
PROCEDE DE LAMINAGE A CHAUD EN LIGNE ET DE MOULAGE CONTINU INTEGRE, AINSI QUE PROCEDE CORRESPONDANT AVEC BOBINAGE INTERMEDIAIRE ET DEROULAGE DU PRE-FEUILLE

Publication  
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Application  
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Priority  
IT 9900082 W 19990407

Abstract (en)  
[origin: WO0059650A1] An integrated continuous casting and in-line hot rolling process comprises in sequence, upstream of the hot finishing rolling, a step of coiling and subsequent uncoiling of a pre-strip having a thickness of 6-15 mm, followed by a step of plastic stretching to make easier the subsequent elimination of scale thus rendering possible in the hot rolling step the production of ultrathin coils with a thickness down to 0.6 mm which can replace, for particular applications, cold rolled strips. It is preferably provided, upstream of the coiling/uncoiling step, a step of induction heating with temperature being controlled. The plant carrying out such a process comprises for coiling/uncoiling (11) of the pre-strip (10) at least two coilers provided with a mandrel (20) preferably with an internally cooled shaft (21) being thermally insulated towards the outer central body (22) to which a pair of lateral steel segments (23) are advantageously assembled by interlocking fit.

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IPC 8 full level  
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