

Title (en)
METHOD FOR CONTINUOUS CASTING OF HIGHLY DUCTILE FERRITIC STAINLESS STEEL STRIPS BETWEEN ROLLS, AND RESULTING THIN STRIPS

Title (de)
VERFAHREN ZUM ROLLENSTRANGGIESSEN VON BÄNDERN AUS HOCHDUKILEM FERRITISCHEM ROSTFREIEM STAHL UND SO HERGESTELLTE DÜNNBÄNDER

Title (fr)
PROCEDE DE COULEE CONTINUE ENTRE CYLINDRES DE BANDES D'ACIER INOXYDABLE FERRITIQUE A HAUTE DUCTILITE, ET BANDES MINCES AINSI OBTENUES

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Application
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Abstract (en)
[origin: US6588494B1] The invention relates to a process for the casting of thin strip having a thickness of less than 10 mm, made of ferritic stainless steel, directly from liquid metal between two rotating cooled rolls having parallel horizontal axes, characterized in that:the said ferritic stainless steel contains (in percentages by weight) from 11 to 18% chromium, less than 1% manganese, less than 1% silicon and less than 2.5% molybdenum;the said ferritic stainless steel has carbon and nitrogen contents, the sum of the contents not exceeding 0.05%;the said ferritic stainless steel contains at least one of the stabilizing elements titanium, niobium, zirconium and aluminium and the sum of their contents is between 0.05 and 1%;the other elements present are iron and the usual impurities resulting from the smelting.The subject of the invention is also thin strip capable of being obtained by the above process.

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