

Title (en)  
METHOD FOR PRODUCING A STEEL STRIP OR SHEET CONSISTING PREDOMINANTLY OF MN-AUSTENITE

Title (de)  
VERFAHREN ZUM HERSTELLEN EINES ÜBERWIEGEND AUS MN-AUSTENIT BESTEHENDEN STAHLBANDS ODER -BLECHS

Title (fr)  
PROCEDE DE FABRICATION D'UN FEUILLARD OU D'UNE TOLE D'ACIER, CONSTITUES PRINCIPALEMENT D'ACIER AUSTENIQUE AU MANGANESE

Publication  
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Application  
**EP 01978372 A 20010914**

Priority  
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• EP 0110645 W 20010914

Abstract (en)  
[origin: US2004025979A1] The method according to the invention can be used for the economic manufacture of a steel strip (W) or sheet consisting mainly of Mn-austenite which possesses enhanced strength compared with the prior art. For this purpose a steel is melted which contains at least the following alloying components (in wt. %), 15.00-24.00% Cr, 5.00-12.00% Mn, 0.10-0.60% N, 0.01-0.2% C, max. 3.00% Al and/or Si, max. 0.07% P, max. 0.05% S, max. 0.5% Nb, max. 0.5% V, max. 3.0% Ni, max. 5.0% Mo, max. 2.0% Cu as well as iron and unavoidable impurities as the remainder. This steel is cast into a thin strip (D) having a maximum thickness of 10 mm in a casting gap formed between two rotating rollers (2, 3) or rolls. The rollers (2, 3) or rolls are cooled so intensively that the thin strip (D) in the casting gap (4) is cooled at a cooling rate of at least 200 K/s.

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IPC 8 full level  
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Cited by  
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