

Title (en)
PROCESS FOR COATING A HOT- OR COLD-ROLLED STEEL STRIP CONTAINING 6 - 30% BY WEIGHT OF MN WITH A METALLIC PROTECTIVE LAYER

Title (de)
VERFAHREN ZUM BESCHICHTEN EINES 6 - 30 GEW.-% MN ENTHALTENDEN WARM- ODER KALTGEWALZTEN STAHLBANDS MIT EINER METALLISCHEN SCHUTZSCHICHT

Title (fr)
PROCÉDÉ DE RECOUVREMENT D'UN FEUILLARD D'ACIER LAMINÉ À CHAUD OU À FROID ET CONTENANT DE 6 À 30 % EN POIDS DE MN PAR UNE COUCHE MÉTALLIQUE DE PROTECTION

Publication
EP 2054536 A2 20090506 (DE)

Application
EP 07802701 A 20070820

Priority
• EP 2007058602 W 20070820
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Abstract (en)
[origin: US2010065160A1] A method for coating hot-rolled or cold-rolled steel strip containing 6-30 wt %. Mn with a metallic protective layer, includes annealing the steel strip at a temperature of 800-1100° C. under an annealing atmosphere containing nitrogen, water and hydrogen and then subjecting the steel strip to hot dip coating. The method provide an economical way of hot dip coating a high manganiferous sheet steel in that, in order to produce a metallic protective layer substantially free from oxidic sub-layers on the steel strip, the % H₂O/% H₂ ratio of the water content % H₂O to the hydrogen content % H₂ in the annealing atmosphere is adjusted as a function of the respective annealing temperature TG as follows: % H₂O/% H₂ ≥ 8·10⁵·TG³·529.

IPC 8 full level
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Citation (search report)
See references of WO 2008022980A2

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