

Title (en)

PROCESS AND DEVICE FOR THE CONTINUOUS PRODUCTION OF SHEET METAL STRIPS

Title (de)

VERFAHREN UND ANLAGE ZUR KONTINUIERLICHEN ERZEUGUNG BANDFÖRMIGER BLECHE

Title (fr)

PROCEDE ET INSTALLATION DE PRODUCTION CONTINUE DE TOLES EN FORME DE FEUILLARDS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9627464A1] The invention concerns a process and a device for the continuous production of sheet metal strips, in particular of steel. A mother strip (1) with a metallically pure surface is drawn through a metal melt bath (14) and the resulting coating is smoothed by rolling immediately after leaving the melt bath. In order to design a process and device for carrying out this operation and facilitating controlled pre-heating of the mother strip to a temperature well above ambient temperature (more specifically, above 200 DEG C) without complex apparatus and without any risk of re-oxidation of the mother strip surface, it is proposed that the mother strip should be introduced into the metal melt bath (14) after being pre-heated to a temperature well above ambient temperature (more specifically, above 200 DEG C); the pre-heating should be done by indirect heat exchange with the melt bath in an oxygen-free environment, and the melt freshly introduced into the melt bath should be at a raised temperature corresponding to the heat loss involved in the pre-heating.

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