

Title (en)

A METHOD AND A SYSTEM FOR PRODUCING HOT-ROLLED STRIP SILICON STEEL BASED ON THIN SLABS

Title (de)

VERFAHREN UND ANLAGE ZUR HERSTELLUNG VON WARMBAND-WALZGUT AUS SILIZIUMSTAHL AUF DER BASIS VON DÜNNBRAMMEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE PRODUCTION DE MATÉRIAU DE LAMINAGE DE FEUILLARDS À CHAUD EN ACIER AU SILICIUM À BASE DE BRAMES FINES

Publication

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Application

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Abstract (en)

[origin: CA2654913A1] The invention relates to a method and a system for the production of hot-rolled strip silicon-alloy steel for further processing into grain-oriented sheets, such as electrical sheets, wherein a cast product, in this case a thin slab, for example, with a maximum thickness of 120 mm, is subjected to thermal pretreatment and to a subsequent rolling process on a hot-rolling line to set a desired recrystallization state. The invention proposes an intake temperature (T<sub>in</sub>) of the cast product (2) into the hot-rolling line (9a or 9b) of at least 1200°C, and preferably in excess of 1250°C, which should be controlled during pretreatment by adding at least one preheating stage (3) and one intensive heating stage (6) to ensure the final rolling temperature (T<sub>FR</sub>).

IPC 8 full level

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