

Title (en)

PROCESS AND DEVICE FOR PRODUCING STRIPS OF SILICON STEEL OR MULTIPHASE STEEL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM WARMWALZEN VON BÄNDERN AUS SILIZIUM-STAHL ODER MEHRPHASENSTAHL

Title (fr)

PROCÉDÉ ET DISPOSITIF DE LAMINAGE À CHAUD DE BANDES D'ACIER AU SILICIUM OU D'ACIER À PLUSIEURS PHASES

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Application

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Abstract (en)

[origin: CA2687434A1] The invention relates to a process for producing strips (1) of silicon steel, in particular of grain-oriented silicon steel, and also from multiphase steel, in which a slab (3) is initially cast in a casting machine (2), wherein this slab is subsequently rolled to form the strip (1) in at least one roll train (4, 5) and wherein the slab (3) is heated in at least one furnace (6, 7) upstream and/or downstream of the at least one roll train (4, 5). In order to improve the quality and producibility of grain-oriented silicon steel or of multiphase steel, the invention provides that the slab (3) is heated to a pre-roll temperature (T1) in a first furnace (6) downstream of the casting machine (2) and upstream of a pre-roll train (4), or the slab (3) passes into the pre-roll train (4) using the casting heat without the presence of the first furnace (6), that the slab (3) is then rolled in the pre-roll train (4), that the slab is heated to a defined temperature (T2), which is higher than the pre-roll temperature (T1), in a second furnace (7) downstream of the pre-roll train (4), and that the slab (3) is then rolled to the final strip thickness in a finishing-roll train (5).

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