

Title (en)
HOT-ROLLED STEEL STRIP PROVIDED FOR PRODUCING NON GRAIN-ORIENTED ELECTRICAL SHEET, AND METHOD FOR THE PRODUCTION THEREOF

Title (de)
FÜR DIE HERSTELLUNG VON NICHTKORNIORIENTIERTEM ELEKTROBLECH BESTIMMTES, WARMGEWALZTES STAHLBAND UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)
FEUILLARD D'ACIER LAMINE A CHAUD PREVU POUR PRODUIRE DU FEUILLARD MAGNETIQUE A GRAINS NON ORIENTES ET PROCEDE APPROPRIE POUR LE PRODUIRE

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Application
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Abstract (en)
[origin: US7658807B2] The present invention relates to a hot-rolled steel strip for further processing to form non-grain oriented electrical sheet with the following composition (in % by weight) C: <0.02%, Mn: <=1.2%, Si: 0.1-4.4%, Al 0.1-4.4%, wherein the sum formed from the Si content and twice the Al content is <5%, P: <0.15%, Sn: <=0.20%, Sb: <=0.20%, the remainder iron and unavoidable impurities, with a strip thickness which is at most 1.8 mm, and with a partially softened structure which is characterised by a high intensity for the alpha fibre (fibre representation of orientation distribution functions) in the region of 0° to 60°, wherein the ratio I112/I001 formed from the intensity I112 of the position (112) <110> to the intensity I001 of the position (001) <110> is >0.4 and the ratio I111/I001 formed from the intensity I111 of the position (111) <110> to the intensity I001 of the position (001) <110> is >0.2.

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