

Title (en)

METHOD FOR PRODUCTION OF SHEETS OF AUSTENITIC IRON/CARBON/MANGANESE STEEL AND SHEETS PRODUCED THUS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON BLECHEN AUS AUSTENITISCHEM EISEN-KARBON-MANGAN-STAHL UND AUF DIESE WEISE HERGESTELLTE BLECHE

Title (fr)

PROCEDE DE FABRICATION DE TOLES D'ACIER AUSTENITIQUE FER-CARBONE-MANGANESE ET TOLES AINSI PRODUITES

Publication

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Application

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Abstract (en)

[origin: WO2006042931A1] The invention relates to a method for production of a cold-laminated sheet of stainless austenitic iron/carbon/manganese steel, comprising the following steps: a sheet is provided, the chemical composition of which is, by weight, 0.35 % < C < 1.05 %, 16 % < Mn < 24 %, the remainder being iron and unavoidable production impurities, said sheet is cold-laminated, a recrystallisation annealing is carried out on said sheet in a furnace, containing a gas selected from the gases which are reducing with relation to iron, the annealing parameters being selected such that said sheet is covered on both faces with a sub-layer of essentially amorphous oxide (FeMn)O and an outer layer of crystalline manganese oxide MnO, the total thickness of the two layers being greater than or equal to 0.5 micrometers.

IPC 8 full level

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