

Title (en)

METHOD FOR PRODUCING A FLAT STEEL PRODUCT MADE OF A MANGANESE-CONTAINING STEEL, AND SUCH A FLAT STEEL PRODUCT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES STAHLFLACHPRODUKTS AUS EINEM MANGANHALTIGEN STAHL UND EIN DERARTIGES STAHLFLACHPRODUKT

Title (fr)

PROCÉDÉ POUR FABRIQUER UN PRODUIT PLAT EN ACIER À PARTIR D'UN ACIER AU MANGANÈSE ET PRODUIT PLAT EN ACIER RÉSULTANT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2018050683A1] The invention relates to a method for producing a flat steel product made of a medium manganese steel having a TRIP/TWIP effect. The aim of the invention is to achieve an improvement in the yield strength when a sufficient residual deformability of the produced flat steel product is obtained. This aim is achieved by the following steps: cold rolling a hot or cold strip, annealing the cold-rolled hot or cold strip at 500 to 840 °C for 1 minute to 24 hours, temper rolling or finishing the annealed hot or cold strip to form a flat steel product having a degree of deformability between 0.3 % and 60 %. The invention further relates to a flat steel product produced according to said method and to a use thereof.

IPC 8 full level

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