

Title (en)

ULTRAHIGH STRENGTH HOT-ROLLED STEEL AND METHOD OF PRODUCING BANDS

Title (de)

HOCHFESTER WARMGEWALTZTER STAHL UND VERFAHREN ZUR HERSTELLUNG VON BÄNDERN

Title (fr)

ACIER LAMINÉ À CHAUD À TRÈS HAUTE RÉSISTANCE ET PROCÉDÉ DE FABRICATION DE BANDES

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Application

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Abstract (en)

[origin: US2006207692A1] The invention relates to ultrahigh strength hot-rolled steel having a chemical composition consisting of, by weight: 0.05% \leq C \leq 0.1%, 0.7% \leq Mn \leq 1.1%, 0.5% \leq Cr \leq 1%, 0.05% \leq Si \leq 0.3%, 0.05% \leq Ti \leq 0.1%, Al=0.07, S=0.03%, P=0.05, the remainder comprising iron and impurities resulting from the production thereof. Moreover, the inventive steel has a bainitic-martensitic structure which can contain up to 5% ferrite. The invention also relates to a method of producing bands of said steel.

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