

Title (en)
HOT ROLLED BAR OR HOT ROLLED WIRE ROD, COMPONENT, AND MANUFACTURING METHOD OF HOT ROLLED BAR OR HOT ROLLED WIRE ROD

Title (de)
WARMGEWALZTER STAB ODER WARMGEWALZTER WALZDRAHT, KOMPONENTE UND HERSTELLUNGSVERFAHREN FÜR WARMGEWALZTEN STAB ODER WARMGEWALZTEN WALZDRAHT

Title (fr)
BARRE LAMINÉE À CHAUD OU FIL MACHINE LAMINÉ À CHAUD, COMPOSANT ET PROCÉDÉ DE FABRICATION D'UNE BARRE LAMINÉE À CHAUD OU FIL MACHINE LAMINÉ À CHAUD

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Application
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Abstract (en)
[origin: EP3279361A1] The present invention adopts a hot rolled bar or hot rolled wire rod including a chemical composition including, by mass %, C: 0.05 to 0.30%, Si: 0.30 to 0.60%, Mn: 0.40 to 1.0%, S: 0.008 to less than 0.040%, Cr: 1.60 to 2.00%, Mo: 0.1% or less, Al: 0.025 to 0.05%, N: 0.010 to 0.025%, Ti: 0.003% or less, Bi: 0.0001 to 0.0050%, and a remainder including Fe and impurities, in which amounts of P and O in the impurities are respectively P: 0.025% or less and O: 0.002% or less; in which a microstructure includes ferrite-pearlite or ferrite-pearlite-bainite, and an Expression (1) is satisfied. $1.70 \leq \text{Cr} + 2 \times \text{Mo} \leq 2.10$

IPC 8 full level
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Cited by
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