

Title (en)
NORMALIZING HEAT TREATED STEEL SHEET HAVING GOOD LOW IMPACT TOUGHNESS AND METHOD FOR MANUFACTURING SAME

Title (de)
NORMALISIERENDES WÄRMEBEHANDELTES STAHLBLECH, DAS EINE GUTE KERBSCHLAGZÄHIGKEIT AUFWEIST, UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
TÔLE D'ACIER TRAITÉE THERMIQUEMENT PAR NORMALISATION AYANT UNE BONNE RÉSISTANCE AUX CHOCS FAIBLES ET SON PROCÉDÉ DE FABRICATION

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Application
EP 20896407 A 20201127

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Abstract (en)
[origin: EP4071261A1] A normalizing heat treated steel sheet having good low impact toughness and a method for manufacturing the same are provided. The normalizing heat treated steel sheet of the present invention contains, by weight %, C: 0.04 to 0.1%, Si: 0.05 to 0.5%, Mn: 1.0 to 2.0%, Sol.Al: 0.015 to 0.04%, Nb: 0.003 to 0.03%, Ti: 0.005 to 0.02%, Cu: 0.35% or less, Ni: 0.05 to 0.8%, N: 0.002 to 0.008%, P: 0.01% or less (excluding 0%), S: 0.003% or less, and the balance of Fe and unavoidable impurities, and has a steel microstructure consisting of 70 to 90 area% of polygonal ferrite having a grain size of 20 µm or less, and 10 to 30 area% of spheroidized pearlite.

IPC 8 full level
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