

Title (en)
HIGH STRENGTH STEEL PLATE FOR STRUCTURE WITH GOOD SEAWATER CORROSION RESISTANT PROPERTY AND METHOD OF MANUFACTURING SAME

Title (de)
HOCHFESTE STAHLPLATTE FÜR STRUKTUR MIT GUTER KORROSIONSBESTÄNDIGKEIT GEGEN MEERWASSER UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
PLAQUE D'ACIER À HAUTE RÉSISTANCE POUR STRUCTURE POSSÉDANT UNE BONNE PROPRIÉTÉ DE RÉSISTANCE À LA CORROSION PAR L'EAU DE MER ET SON PROCÉDÉ DE FABRICATION

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Application
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Abstract (en)
The present invention provides a high strength steel plate for a structure and a method of manufacturing same, wherein the high strength steel plate for a structure comprises, by weight%, 0.03% (inclusive) to 0.1% (exclusive) of C, 0.1% (inclusive) to 0.8% (exclusive) of Si, 0.3% (inclusive) to 1.5% (exclusive) of Mn, 0.5% (inclusive) to 1.5% (exclusive) of Cr, 0.1% (inclusive) to 0.5% (exclusive) of Cu, 0.01% (inclusive) to 0.08% (exclusive) of Al, 0.01% (inclusive) to 0.1% (exclusive) of Ti, 0.05% (inclusive) to 0.1% (exclusive) of Ni, 0.002% (inclusive) to 0.07% (exclusive) of Nb, 0.03% or less of P, 0.02% or less of S, and the balance of Fe and unavoidable impurities, and has a microstructure comprising, by area fraction, 20% or more of bainite, less than 80% of polygonal ferrite and acicular ferrite in total, and less than 10% of pearlite and MA as the other phases.

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