

Title (en)

STEEL PLATE AND METHOD OF MANUFACTURING THE SAME

Title (de)

STAHLPLATTE UND VERFAHREN ZUR HERSTELLUNG DERSELBEN

Title (fr)

PLAQUE D'ACIER ET SON PROCÉDÉ DE FABRICATION

Publication

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Application

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Abstract (en)

[origin: EP3633060A1] A steel plate according to an aspect of the present invention has a chemical composition within a predetermined range, in which a total area ratio of martensite and bainite in a thickness middle portion is 99% or more, an average value of a prior austenite grain size in the thickness middle portion is less than 80 μm , Ceq is 0.750% to 0.800%, $\text{Al} \times \text{N}$ is 2.0×10^{-4} or more, Ti/N is 3.4 or less, $4 \times f/g \geq 9.00$ is satisfied, a three-point average of C-direction Charpy at -20°C in the thickness middle portion is 47 J or more, hardnesses of a surface layer and the thickness middle portion are 350 or more by HB, and a plate thickness is more than 200 mm.

IPC 8 full level

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