

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  
**EP 18922100 A 20180820**

Priority  
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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  $\mu\text{m}$ , Ceq is 0.750% to 0.800%,  $\text{Al} \times \text{N}$  is  $2.0 \times 10^{-4}$  or more,  $\text{Ti}/\text{N}$  is 3.4 or less,  $4 \times f/g \geq 9.00$  is satisfied, a three-point average of C-direction Charpy at  $-20^\circ\text{C}$  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.

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