

Title (en)  
STAINLESS STEEL SHEET FOR STRUCTURAL MEMBERS EXCELLENT IN IMPACT -ABSORBING CHARACTERISTICS

Title (de)  
EDELSTAHLBLECH FÜR STRUKTURELEMENTE MIT HERVORRAGENDEN STOSSDÄMPFUNGSEIGENSCHAFTEN

Title (fr)  
FEUILLE EN ACIER INOXYDABLE POUR DES ÉLÉMENTS STRUCTURAUX PRÉSENTANT D'EXCELLENTE CARACTÉRISTIQUES D'ABSORPTION DES CHOCS

Publication  
**EP 2060646 A4 20140101 (EN)**

Application  
**EP 07831178 A 20071030**

Priority  
• JP 2007071445 W 20071030  
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Abstract (en)  
[origin: EP2060646A1] This invention provides a steel sheet for structural components excellent in impact absorption property comprising, in mass %, C: 0.005 to 0.05%, N: 0.01 to 0.30%, Si: 0.1 to 2%, Mn: 0.1 to 15%, Ni: 0.5 to 8%, Cu: 0.1 to 5%, Cr: 11 to 20%, Al: 0.01 to 0.5%, and a balance of Fe and unavoidable impurities, wherein Md 30 value given by equation (A) is 0 to 100 °C, and total impact energy absorption in dynamic tensile testing is 500 MJ/m<sup>3</sup> or greater:  $Md\ 30 = 551 - 462\ C + N - 9.2\ Si - 8.1\ Mn - 13.7\ Cr - 29\ Ni + Cu$

IPC 8 full level  
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Citation (search report)  
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• [A] EP 0969112 A1 20000105 - NIPPON STEEL CORP [JP]  
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