

Title (en)

A HIGH STRENGTH HOT ROLLED STEEL SHEET HAVING EXCELLENT FLASH BUTT WELDABILITY

Publication

**EP 0070082 A3 19831109 (EN)**

Application

**EP 82301325 A 19820316**

Priority

JP 3873281 A 19810319

Abstract (en)

[origin: EP0070082A2] A high strength hot rolled steel sheet having excellent flash butt weldability consisting of 0.04-0.15% of C, 0.5-2.3% of Mn, at most 0.5% of Si and 0.5-2.3% of Mn+Si, 0.05-0.15% of P, 0.005-0.100% of Al and the remainder being Fe and incidental impurities and S content being reduced to at most 0.010%. The properties of such a steel sheet are improved by adding at least one of Ti, Nb and V or at least one of Ca and REM, or a combination of at least one of Ti, Nb and V with at least one of Ca and REM in the defined amounts.

IPC 1-7

**C22C 38/06**; **C22C 38/00**

IPC 8 full level

**B60B 21/00** (2006.01); **C22C 38/00** (2006.01); **C22C 38/06** (2006.01); **C22C 38/12** (2006.01); **C22C 38/14** (2006.01)

CPC (source: EP)

**C22C 38/06** (2013.01); **C22C 38/12** (2013.01); **C22C 38/14** (2013.01)

Citation (search report)

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- [Y] US 3827924 A 19740806 - TAKECHI H, et al
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Designated contracting state (EPC)

DE FR GB IT

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