

Title (en)

CONSTRUCTIONAL STEEL RESISTANT TO STRESS CORROSION CRACKING

Publication

EP 0256429 B1 19901107 (DE)

Application

EP 87111293 A 19870805

Priority

DE 3627668 A 19860814

Abstract (en)

[origin: EP0256429A1] Structural steel of high resistance to intergranular stress corrosion cracking, especially in nitrate solutions, and of good weldability consists of (in per cent by mass): 0.01 to 0.04 % of carbon up to 0.012% of nitrogen 0.08 to 0.22% of titanium, with the proviso that Ti = 3.5 (C+N) 0.2 to 2.5% of manganese 2.0 to 5.5% of chromium 0.01 to 0.10% of aluminium up to 0.5% of silicon up to 1.0% of nickel up to 0.02% of phosphorus up to 0.02% of sulphur, the remainder being iron and unavoidable impurities. <IMAGE>

IPC 1-7

C22C 38/28

IPC 8 full level

C22C 38/00 (2006.01); **C21B 9/10** (2006.01); **C22C 38/28** (2006.01); **C22C 38/38** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP KR US)

C22C 38/28 (2013.01 - EP US); **C22C 38/50** (2013.01 - KR)

Citation (examination)

- DE 2320185 A1 19741031 - THYSSEN HUETTE AG
- Handbook of Stainless Steel (1973) MC Greaw-Hill, p. 14-11

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0256429 A1 19880224; **EP 0256429 B1 19901107**; AT E58183 T1 19901115; DE 3627668 C1 19880324; DE 3766040 D1 19901213; ES 2018801 B3 19910516; JP H0437153 B2 19920618; JP S63105950 A 19880511; KR 880003024 A 19880513; US 4919885 A 19900424

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