

Title (en)

CONSTRUCTION STEEL WITH HIGH FATIGUE RESISTANCE, PROCESS FOR PRODUCING SAID STEEL

Publication

**EP 0018425 B1 19841128 (FR)**

Application

**EP 79101333 A 19790502**

Priority

EP 79101333 A 19790502

Abstract (en)

[origin: EP0018425A1] 1. Constructional steel which has high fatigue strength, possesses good weldability up to a carbon content of 0.3% and is resistant to atmospheric corrosion, characterised in that in addition to iron it contains at most 1.6% (by weight) of C, 0.3 to 3.0% (by weight) of Mn and/or of Ni, at most 1.8% (by weight) of Si, 0.6 to 4.0% (by weight) of Cu, at most 3.0% (by weight) of Mo and/or Co, 0.02 to 0.4% (by weight) of Nb and/or of V, at most 0.006% (by weight) of B, at most 0.4% (by weight) of Zr and/or of Be, 0.02 to 0.2% (by weight) of Al, 0.005 to 0.2% (by weight) of N, at least 0.0001% (by weight) of Ca and at most 0.25% (by weight) of Ce and/or of Pb, and up to 0.1% of sulphur.

IPC 1-7

**C22C 38/08**; **C22C 38/16**

IPC 8 full level

**C22C 38/00** (2006.01); **C22C 38/08** (2006.01); **C22C 38/16** (2006.01)

CPC (source: EP)

**C22C 38/001** (2013.01); **C22C 38/08** (2013.01); **C22C 38/16** (2013.01)

Citation (examination)

- AT 193914 B 19571210 - OESTERR ALPINE MONTAN
- FR 2339678 A1 19770826 - UGINE ACIERS [FR]
- Stahl-Eisen-Liste, V.D.E. (1975), 5e édition, pages 30, 192, 193

Cited by

CN108315652A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)

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