

Title (en)

Chromium containing high strength steel sheet excellent in corrosion resistance and workability

Title (de)

Hochfestes, chromenthaltendes Stahlblech mit sehr hoher Korrosionsbeständigkeit und Bearbeitbarkeit

Title (fr)

Feuillard d'acier au chrome, à haute résistance, possédant une résistance à la corrosion très élevée et une bonne aptitude au formage

Publication

EP 0492576 B1 19970723 (EN)

Application

EP 91122110 A 19911223

Priority

JP 41549590 A 19901228

Abstract (en)

[origin: EP0492576A1] A high strength chromium containing steel sheet having a tensile strength of at least 40 kgf/mm², and excellent in corrosion resistance and workability, comprising, by weight, C:up to 0.030 %, Si:up to 3.0 %, Mn:up to 3.0 %, P:up to 0.150 %, S:up to 0.010 %, Ni:up to 2.0 %, Cu:up to 2.0 %, Cr:not less than 5.0 % and less than 11.0 %, N:up to 0.030 %, V:not less than 0.01 % and not more than 0.10 %, and optionally at least one of 0.01 to 0.30 % of Ti, 0.01 to 0.30 % of Nb, 0.01 to 0.30 % of Zr, 0.01 to 0.20 % of Al and 0.0002 to 0.0200 % of B, the amounts of Si, Mn, P, Ni and Cu being adjusted so that the relation:Si + Mn + 10P + Ni + Cu > 1.0 % may be satisfied, the balance being iron and unavoidable impurities.

IPC 1-7

C22C 38/24

IPC 8 full level

C22C 38/00 (2006.01); **C22C 38/24** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP KR)

C22C 38/18 (2013.01 - KR); **C22C 38/24** (2013.01 - EP)

Citation (examination)

- JP H02156048 A 19900615 - KAWASAKI STEEL CO
- JP S6453344 A 19890301 - KONISHIROKU PHOTO IND
- JP S61177378 A 19860809 - NIPPON STEEL CORP

Cited by

EP1350858A4; EP0750052A1; US5653825A

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

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