

Publication

EP 0826787 A3 19980311

Application

EP 97114438 A 19970821

Priority

DE 19634524 A 19960827

Abstract (en)

[origin: EP0826787A2] A high strength light constructional steel has the composition (by wt.) more than 5 to 9 (preferably 7-9)% Al, less than 0.2% Si, 0.03-0.2% Mn, balance Fe and impurities, including NOTGREATER 1% total Cu + Mo + W + Co + Cr + Ni and up to 0.1% total Sc + Y + rare earths. The steel may also contain up to 0.1% C, up to 0.5% total Ti + Zr + Hf + V + Nb + Ta, up to 0.01% B and up to 0.1% P.

IPC 1-7

C22C 38/06

IPC 8 full level

C22C 38/00 (2006.01); **C22C 38/06** (2006.01); **C22C 38/52** (2006.01); **C22C 38/54** (2006.01)

CPC (source: EP US)

C22C 38/06 (2013.01 - EP US); **Y10S 428/935** (2013.01 - EP US); **Y10S 428/936** (2013.01 - EP US); **Y10S 428/937** (2013.01 - EP US); **Y10S 428/938** (2013.01 - EP US); **Y10T 428/12757** (2015.01 - EP US); **Y10T 428/31678** (2015.04 - EP US)

Citation (search report)

- [X] GB 2186886 A 19870826 - NIPPON STEEL CORP
- [XA] GB 1002057 A 19650825 - YAWATA IRON & STEEL CO
- [XA] EP 0540792 A1 19930512 - KAWASAKI STEEL CO [JP]
- [A] EP 0495123 A1 19920722 - NIPPON KOKAN KK [JP]
- [A] US 4334923 A 19820615 - SHERMAN ANDREW M
- [A] GB 1446682 A 19760818 - BETHLEHEM STEEL CORP

Cited by

DE102007059006A1; EP1995336A1; EP2767601A1; EP2767602A1; KR20150119230A; US9777350B2; WO2013124264A1; WO2008145872A1; WO2017220398A1; US9580766B2; US9765415B2; WO2014125016A1; WO2014125017A1; EP2406404B1; US10131976B2; US10513762B2; EP2817428B1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0826787 A2 19980304; **EP 0826787 A3 19980311**; CZ 268897 A3 19980318; DE 19634524 A1 19980409; JP 2000517001 A 20001219; JP 3457331 B2 20031014; PL 321826 A1 19980302; US 6383662 B1 20020507; WO 9808995 A1 19980305

DOCDB simple family (application)

EP 97114438 A 19970821; CZ 268897 A 19970825; DE 19634524 A 19960827; EP 9704636 W 19970826; JP 51127098 A 19970826; PL 32182697 A 19970827; US 25405900 A 20000512