

Title (en)

Resulfurized austenitic stainless steel with improved machinability.

Title (de)

Heraufgeschwefelter rostfreier austenitischer Stahl mit erhöhter Bearbeitbarkeit.

Title (fr)

Acier inoxydable austénitique resulfuré à usinabilité améliorée.

Publication

**EP 0403332 B1 19950830 (FR)**

Application

**EP 90401511 A 19900605**

Priority

FR 8908060 A 19890616

Abstract (en)

[origin: US5089224A] Resulphurized austenitic stainless steel with improved machinability, characterized in that its weight composition is the following: carbon lower than or equal to 0.15% silicon lower than or equal to 2% manganese lower than or equal to 2% molybdenum lower than or equal to 3% nickel between 7 and 12% chromium between 15 and 25% sulphur between 0.10 and 0.40% calcium higher than or equal to 30x10<sup>-4</sup>% oxygen higher than or equal to 70x10<sup>-4</sup>% the ratio of the calcium content and of the oxygen content Ca/O being between 0.2 and 0.6.

IPC 1-7

**C22C 38/60**

IPC 8 full level

**C22C 38/60** (2006.01)

CPC (source: EP US)

**C22C 38/60** (2013.01 - EP US)

Citation (examination)

- JP S5690959 A 19810723 - SANYO SPECIAL STEEL CO LTD
- T0624/91

Cited by

EP0629714A1; FR2706489A1; EP0773306A1; FR2740783A1; US5795411A; EP0567365A1; FR2690169A1; US5362439A; TR28589A; EP1130127A1; FR2805829A1; EP0736610A1; FR2732694A1; US5656237A; EP0685567A1; FR2720410A1; KR100389601B1; KR100316543B1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 0403332 A1 19901219; EP 0403332 B1 19950830**; AT E127163 T1 19950915; CA 2019105 A1 19901216; CA 2019105 C 20000425; DD 298434 A5 19920220; DE 69021941 D1 19951005; DE 69021941 T2 19960307; DK 0403332 T3 19951120; EG 19821 A 19960229; ES 2076346 T3 19951101; FI 902985 A0 19900614; FI 98533 B 19970327; FI 98533 C 19970710; FR 2648477 A1 19901221; FR 2648477 B1 19930430; GR 3018176 T3 19960229; IL 94622 A0 19910415; IL 94622 A 19950731; NO 177392 B 19950529; NO 177392 C 19950906; NO 902659 D0 19900614; NO 902659 L 19901217; TR 26587 A 19950315; US 5089224 A 19920218

DOCDB simple family (application)

**EP 90401511 A 19900605**; AT 90401511 T 19900605; CA 2019105 A 19900615; DD 34171890 A 19900615; DE 69021941 T 19900605; DK 90401511 T 19900605; EG 35390 A 19900614; ES 90401511 T 19900605; FI 902985 A 19900614; FR 8908060 A 19890616; GR 950403295 T 19951122; IL 9462290 A 19900605; NO 902659 A 19900614; TR 61090 A 19900613; US 53746590 A 19900613