

Title (en)  
Resulfurized austenitic stainless steel with improved machinability, suitable for use in the field of high-speed cutting and on the automatic lathe

Title (de)  
Heraufgeschwefelter rostfreier austenitischer Stahl mit erhöhter Bearbeitbarkeit, insbesondere zur Verwendung in maschinelle Bearbeitung mit hoher Schnittgeschwindigkeit und auf den Drehautomaten

Title (fr)  
Acier inoxydable austénitique resulfuré à usinabilité améliorée, utilisé notamment dans le domaine de l'usinage à très grande vitesse de coupe et le domaine du décolletage

Publication  
**EP 0736610 B1 20010221 (FR)**

Application  
**EP 96400532 A 19960315**

Priority  
FR 9504140 A 19950407

Abstract (en)  
[origin: EP0736610A1] Austenitic stainless steel contains in wt.-%: less than 0.1C; less than 2Si; less than 2Mn; 7-12Ni; 15-25Cr; 0.01-0.55 S; 1-5Cu; less than 0.0035Ca; less than 0.007 O with the ratio of Ca to O being 0.2-0.6.

IPC 1-7  
**C22C 38/42**; **C22C 38/60**

IPC 8 full level  
**C22C 38/00** (2006.01); **C22C 38/08** (2006.01); **C22C 38/18** (2006.01); **C22C 38/40** (2006.01); **C22C 38/42** (2006.01); **C22C 38/60** (2006.01)

CPC (source: EP KR US)  
**C22C 38/42** (2013.01 - EP KR US); **C22C 38/60** (2013.01 - EP US)

Cited by  
EP1130127A1; FR2805829A1; WO0065120A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)  
**EP 0736610 A1 19961009**; **EP 0736610 B1 20010221**; AT E199267 T1 20010315; CA 2173573 A1 19961008; CA 2173573 C 19991228; CZ 100096 A3 19961016; CZ 292424 B6 20030917; DE 69611801 D1 20010329; DE 69611801 T2 20010906; DK 0736610 T3 20010618; ES 2154795 T3 20010416; FR 2732694 A1 19961011; FR 2732694 B1 19970430; GR 3035595 T3 20010629; IL 117765 A0 19960804; IL 117765 A 19981206; JP 3687931 B2 20050824; JP H09137254 A 19970527; KR 100389601 B1 20031022; KR 960037854 A 19961119; NO 312682 B1 20020617; NO 961353 D0 19960402; NO 961353 L 19961008; PL 184056 B1 20020830; PL 313658 A1 19961014; PT 736610 E 20010731; RO 115971 B1 20000830; RU 2106426 C1 19980310; SI 9600115 A 19961031; SI 9600115 B 20011231; TR 199600293 A2 19961021; TW 367373 B 19990821; UA 39895 C2 20010716; US 5656237 A 19970812

DOCDB simple family (application)  
**EP 96400532 A 19960315**; AT 96400532 T 19960315; CA 2173573 A 19960404; CZ 100096 A 19960404; DE 69611801 T 19960315; DK 96400532 T 19960315; ES 96400532 T 19960315; FR 9504140 A 19950407; GR 20010400440 T 20010316; IL 11776596 A 19960401; JP 11126396 A 19960408; KR 19960010364 A 19960406; NO 961353 A 19960402; PL 31365896 A 19960405; PT 96400532 T 19960315; RO 9600736 A 19960405; RU 96106422 A 19960405; SI 9600115 A 19960405; TR 9600293 A 19960405; TW 85103533 A 19960325; UA 96041352 A 19960405; US 62922896 A 19960408