

Title (en)

Low carbon plus nitrogen, free-machining austenitic stainless steel.

Title (de)

Austenitischer, rostfreier Stahl mit guter Zerspanbarkeit und mit niedrigem Kohlenstoff- und Stickstoffgehalt.

Title (fr)

Acier inoxydable austénitique facilement usinable, de basse teneur en carbone et azote.

Publication

**EP 0265062 A2 19880427 (EN)**

Application

**EP 87307995 A 19870910**

Priority

US 91023986 A 19860919

Abstract (en)

A low carbon plus nitrogen, free-machining, austenitic stainless steel having improved machinability and excellent corrosion resistance. The steel composition in weight percent is essentially carbon plus nitrogen up to about 0.06, chromium 16 to 20, nickel 6 to 14, manganese up to 0.60, sulfur 0.15 to 0.50, silicon up to about 1, phosphorus up to about 0.20, molybdenum up to about 1 and balance iron.

IPC 1-7

**C22C 38/40**

IPC 8 full level

**C22C 38/00** (2006.01); **C22C 38/40** (2006.01); **C22C 38/60** (2006.01)

CPC (source: EP)

**C22C 38/40** (2013.01)

Cited by

WO9641032A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 0265062 A2 19880427**; **EP 0265062 A3 19890215**; **EP 0265062 B1 19930811**; AT E92973 T1 19930815; CA 1330628 C 19940712; DE 3786980 D1 19930916; DE 3786980 T2 19940113; JP H0611901 B2 19940216; JP S6386849 A 19880418

DOCDB simple family (application)

**EP 87307995 A 19870910**; AT 87307995 T 19870910; CA 544906 A 19870819; DE 3786980 T 19870910; JP 22321187 A 19870908