

Title (en)

AUSTENITIC, PRECIPITATION HARDENABLE STAINLESS STEEL

Publication

EP 0031800 B1 19831214 (EN)

Application

EP 80850186 A 19801210

Priority

SE 7910719 A 19791228

Abstract (en)

[origin: EP0031800A1] Austenitic, precipitation hardenable, stainless chromium-nickel-aluminium steel with good cold workability. The steel contains Cr 13-22 % and Ni 5-17 % within the area ABCD on the enclosed diagram, and C up to 0.15 %, Si up to 3.0 %, Mn up to 8.0 %, P up to 0.045 %, S up to 0.040 %, Mo up to 2.0 %, N up to 0.15 %, Al 0.5-2.5 %. In addition the steel can contain one more of the metals Ti, Zr and U up to 2 % with the balance iron and impurities normally occurring in stainless steels.

IPC 1-7

C22C 38/40; **C22C 38/44**; **C22C 38/58**

IPC 8 full level

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

CPC (source: EP)

C22C 38/40 (2013.01)

Cited by

WO2006125412A1; FR2479854A1; DE102005030413C5; DE102005030413B3; US5202089A; CN102747307A; CN100464000C; DE102006033973A1; CN112041474A; JP2021519868A; EP3784812A4; US11767585B2; WO2019208833A1

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0031800 A1 19810708; **EP 0031800 B1 19831214**; DE 3065923 D1 19840119; ES 498616 A0 19820801; ES 8206655 A1 19820801; JP S56105457 A 19810821; SE 420623 B 19811019; SE 7910719 L 19810629

DOCDB simple family (application)

EP 80850186 A 19801210; DE 3065923 T 19801210; ES 498616 A 19801224; JP 18949080 A 19801227; SE 7910719 A 19791228