

Title (en)

USE OF A HEAT-RESISTANT STEEL FOR CORROSION-RESISTANT COMPONENTS

Publication

EP 0391054 B1 19930505 (DE)

Application

EP 90103396 A 19900222

Priority

DE 3911104 A 19890406

Abstract (en)

[origin: EP0391054A1] The invention relates to the use of a steel, consisting of (in % by weight): not more than 0.02% of C not more than 1.0% of Si not more than 1.0% of Mn not more than 0.045% of P not more than 0.030% of S 14.5 to 16.0% of Cr not more than 0.5% of Ni not more than 0.5% of Mo not more than 0.020% of N 0.4 to 1.0% of Nb 0.2 to 1.0% of Ti 0.10 to 0.50% of Zr the remainder being iron and customary smelting-related impurities and the ratio niobium : titanium : zirconium being 2.0 to 3.5 : 2.0 to 3.5 : 1.0 to 1.5 and the sum of the elements niobium, titanium and zirconium being not more than 1.8%, in the form of hot- and/or cold-rolled strip having good working and welding properties, as a material for the production of corrosion- resistant components which are used at temperatures up to 950 DEG C.

IPC 1-7

C22C 38/26; **C22C 38/28**; **F01N 7/16**

IPC 8 full level

C22C 38/26 (2006.01); **C22C 38/28** (2006.01); **F01N 13/16** (2010.01)

CPC (source: EP)

C22C 38/26 (2013.01); **C22C 38/28** (2013.01)

Cited by

EP0786534A1; FR2744137A1; EP0593776A4; US5427634A; EP1083241A1; FR2798394A1; US6423159B1; US6921440B2

Designated contracting state (EPC)

BE DE ES FR GB IT SE

DOCDB simple family (publication)

EP 0391054 A1 19901010; **EP 0391054 B1 19930505**; DE 3911104 C1 19901129; DE 59001337 D1 19930609; ES 2041454 T3 19931116

DOCDB simple family (application)

EP 90103396 A 19900222; DE 3911104 A 19890406; DE 59001337 T 19900222; ES 90103396 T 19900222