

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

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CPC (source: EP)

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Cited by

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

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