

Title (en)

High-strength austenitic heat-resisting steel having improved weldability

Title (de)

Hochfester wärmebeständiger austenitischer Stahl mit verbesserter Schweißbarkeit

Title (fr)

Acier thermorésistant austénitique à résistance élevée ayant une soudabilité améliorée

Publication

EP 0780483 A1 19970625 (EN)

Application

EP 96120536 A 19961219

Priority

- JP 33234195 A 19951220
- JP 13541296 A 19960529

Abstract (en)

A high-strength austenitic heat-resisting steel, having improved weldability, consisting of less than 0.05 wt% C, not more than 5 wt% Si, less than 2 wt% Mn, not more than 0.03 wt% P, not more than 0.005 wt% S, 15 to 20 wt% Cr, 6 to 15 wt% Ni, 1.5 to 10 wt% W, more than 0.1 up to 0.5 wt% Nb, 0.05 to 1.5 wt% V, more than 0.15 up to 0.4 wt% N, and the balance consisting of Fe and unavoidable impurities.

IPC 1-7

C22C 38/44; **C22C 38/46**; **C22C 38/48**

IPC 8 full level

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CPC (source: EP)

C22C 38/44 (2013.01); **C22C 38/46** (2013.01); **C22C 38/48** (2013.01)

Citation (applicant)

- IRON AND STEEL., vol. 70, pages S1409
- THERMAL AND NUCLEAR ELECTRIC POWER GENERATION., vol. 38, pages 75

Citation (search report)

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- [A] GB 1224898 A 19710310 - UGINE KUHLMANN [FR]
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EP1471158A1; EP1215299A3; EP2832886A4; US9714459B2; US6918968B2

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