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[54] **AUSTENITIC STAINLESS STEEL**

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[30] **Foreign Application Priority Data**

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[51] Int. Cl.⁵ **C22C 38/44; C22C 30/00**

[52] U.S. Cl. **420/584; 420/46; 420/52**

[58] Field of Search **420/46, 52, 584.1**

[56] **References Cited**

U.S. PATENT DOCUMENTS

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[57] **ABSTRACT**

The invention relates to an austenitic stainless steel having a high tensile strength, a high impact strength, a good weldability and a high corrosion resistance, particularly a high resistance to pitting and crevice corrosion. The steel contains in weight-%:

max 0.08 C

max 1.0 Si

more than 0.5 but less than 6 Mn

more than 19 but not more than 28 Cr

more than 17 but not more than 25 Ni

more than 7 but not more than 10 Mo

0.4–0.7 N

from traces up to 2 Cu

0–0.2 Ce

balance essentially only iron, impurities and accessory elements in normal amounts.

27 Claims, No Drawings