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Dupoiron et al.

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[54] **AUSTENITIC STAINLESS STEEL HAVING HIGH PROPERTIES** 3,969,109 7/1976 Tanczyn 420/66

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[51] **Int. Cl.⁶** **C22C 38/44**; C22C 30/00

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[58] **Field of Search** 420/586.1, 59,
420/65, 66, 46

[57] ABSTRACT

The invention provides a steel containing by weight 23% $\leq Cr \leq 28\%$; 15% $\leq Ni \leq 28\%$; 0.5% $\leq Mn \leq 6\%$; 3% $\leq Mo \leq 8\%$; 0.35% $\leq N \leq 0.8\%$; and 1% $\leq W \leq 5\%$. The steel has a high resistance to corrosion and may be used for manufacturing massive parts for any application, in particular for manufacturing equipment for oil platforms and chemical works, containers for transporting corrosive products, ship hulls and ply sheets.

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14 Claims, No Drawings