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[54] **AUSTENITIC STAINLESS STEEL WITH HIGH RESISTANCE TO CORROSION BY CHLORIDE AND SULPHURIC MEDIA AND USES**

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C22C 30/00

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420/586.1; 420/584.1

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[56] **References Cited**

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[57] **ABSTRACT**

The steel contains, in proportions by weight, from 20 to 30% of chromium, from 25 to 32% of nickel, from 3 to 7% of molybdenum, from 0.35 to 0.8% of nitrogen, from 0.5 to 5.4% of manganese, up to 0.06% of carbon and up to 1% of silicon. Because of its multifariousness of corrosion resistance the steel can be employed in particular for the manufacture of equipment for removing pollutants from fumes, of equipment for the paper pulp industry, for the chemical industry or for petroleum exploitation, for seawater plants and for the manufacture of tankers for transporting corrosive products. The steel has a very high structural stability.

6 Claims, No Drawings