

ABSTRACT

Provided in the present application are a corrosion-resistant alloy steel bar and a preparation method therefor, wherein the corrosion-resistant alloy steel bar comprises, in percentage by weight: 0.05-0.25% of C, 1.05-2% of Si, 0.3-1.5% of Mn, 0.5-2.5% of Cr, 0.05-1% of Ni, 0.001-0.005% of O, 0.001-0.0035% of S, 0.005-0.1% of Ti, 0.005-0.1% of Al, 0.005-0.03% of V, and 0.005-0.03% of Nb, with the balance being Fe and inevitable impurities. The preparation method therefor comprises the successive steps of smelting, refining, continuous casting, rolling and cooling. In the present application, elements such as Si, Ti, Al and Mn are used for compensating for the reduction in corrosion resistance caused by a decrease in the content of Cr, such that the production cost of the corrosion-resistant alloy steel bar are greatly reduced.

No Figure