ABSTRACT

AUSTENITIC STAINLESS STEEL

Austenitic stainless steel is disclosed herein. In the described embodiments, the austenitic stainless steel comprises 16.00 wt % of Chromium to 30.00 wt % of Chromium; 8.00 wt % of Nickel to 27.00 wt% of Nickel; no more than 7.00 wt % of Molybdenum; 0.40 wt % of Nitrogen to 0.70 wt % of Nitrogen, 1.0 wt % of Manganese to 4.00 wt % of Manganese, and less than 0.10 wt % of Carbon, wherein the ratio of the Manganese to the Nitrogen is controlled to less than or equal to 10.0. Austenitic stainless steel based on specified minimum PRE_N values is also disclosed.

[No Figure]