

Cast Alumina Forming Austenitic Stainless Steel

Disclosure Number

201002503

Technology Summary

The present invention comprises an alloy formulation for castings yielding superior high temperature oxidation and creep resistance in a range of energy production and chemical processing applications. Of particular interest are cast turbine and engine components. There are potential applications for automotive components as well. Three other U.S. patents have been previously granted to ORNL for AFA (ORNL docket numbers: ID-1769, ID-1956, ID-1976) The present invention disclosure expands the AFA family to cast forms of the AFA alloys.

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