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This Sheet Has Been Replaced



A PROCESS FOR PRODUCING AN OXIDE
DISPERSED MCrAlY-BASED COATING

Abstract

A thermal spray process for producing a MCrAlY-based coating wherein M is selected from the group consisting of iron, cobalt, nickel and mixtures thereof and wherein the oxygen in the fuel-oxidant mixture of the thermal spray process converts a substantial portion of the yttrium component to Y_2O_3 , a minor portion of the aluminum component to Al_2O_3 , and the Y_2O_3 and Al_2O_3 are present in an amount of less than 15 volume percent of the coating.