

THERMAL BARRIER COATINGS WITH LOW THERMAL CONDUCTIVITY

ABSTRACT OF THE DISCLOSURE

A thermal barrier coating comprising from 9.0 to 22.5 mol% of at least one first oxide selected from the group consisting of Pr_2O_3 , Nd_2O_3 , Eu_2O_3 , Er_2O_3 , and mixtures thereof combined with a second oxide selected from the group consisting of zirconia, hafnia, and ceria.