

ABSTRACT OF THE DISCLOSURE

THERMAL BARRIER COATING COMPOSITIONS, PROCESSES FOR APPLYING SAME
AND ARTICLES COATED WITH SAME

A process of coating an article includes the steps of (1) applying upon at least one surface of an article at least one graded layer of at least one ceramic based compound comprising at least one metal selected from the group consisting of lanthanum, cerium, praseodymium, neodymium, promethium, samarium, europium, gadolinium, terbium, dysprosium, holmium, erbium, thulium, ytterbium, lutetium, indium, scandium, yttrium, zirconium, hafnium, titanium, and mixtures thereof; (2) optionally drying the coated article; and (3) optionally repeating steps (1) and (2).