

[54] **PROCESS FOR SURFACE TREATING PARTS MADE OF CERAMIC MATERIAL**

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[30] **Foreign Application Priority Data**

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[56]

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[57]

ABSTRACT

A process for surface treating ceramic parts so as to increase their resistance to oxidation when exposed to high temperatures. The process includes applying a metal coating to the ceramic part, and thereafter heating the part to form a glass surface layer with the metal oxide built into the lattice of the glass layer. The metals employed may be aluminum, magnesium, titanium, lead, zinc, cadmium, or rare-earth elements. The heat treatment is performed in more than one stage.

6 Claims, No Drawings