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(54) Title: CHEMICALLY COMPLEX CERAMIC ABRADABLE SEALANT MATERIALS

(57) Abstract: A chemically complex oxide powder is provided that forms an abrasible sealant coating for a turbine engine. Primary property advantages of the chemically complex oxide include low resistance to erosion and reduced wear on blades and labyrinth seal knife edges in a turbine engine. Secondary property advantages include improved thermal properties, excellent sintering resistance, excellent phase stability, and high resistance to chemical attack.



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