METHODS AND APPARATUS FOR FABRICATING GAS TURBINE ENGINES

ABSTRACT OF THE DISCLOSURE

Methods and apparatus of fabricating gas turbine engine components (118) are provided. The method (200) includes positioning a non-consumable shield (206) adjacent to an edge (136) of the component such that a gap (210) is defined between the shield and the component, wherein the shield and gap form a fluid flow restriction adjacent to the edge, and inducing an electrical current from an anode (202) to the component through an electrolyte bath such that a coating is applied to the component.

Fig. 3