

CATHODIC ARC DEPOSITION COATINGS FOR TURBINE ENGINE COMPONENTS

ABSTRACT

A method for coating a metal component of a gas turbine engine, the method comprising forming a cathode ingot for a cathodic arc deposition process, and performing a cathodic arc deposition process on the metal component with the cathode ingot to form a bond coat, where the formed cathode ingot comprises an MCrAlY alloy base portion and a platinum-modified aluminide outer coating disposed over the base portion.

Figure 1