METHOD OF COATING GAS TURBINE COMPONENTS

ABSTRACT OF THE DISCLOSURE

A method of forming a metal coating on surfaces of internal passages of a turbine part (40) includes applying a nickel aluminum bond coating to an external surface of the turbine part, positioning the turbine part in a VPA chamber (88), coupling a gas manifold to at least one internal passage inlet, and coating at least a portion of the internal surface and the external of the turbine part by a vapor phase aluminiding (VPA) process using metal coating gases to form a coating on the internal surfaces of the turbine part.

Fig. 6