

METHOD FOR VAPOR PHASE ALUMINIDING OF A GAS TURBINE BLADE PARTIALLY MASKED WITH A MASKING ENCLOSURE

ABSTRACT

A gas turbine blade (20) to be protected by an aluminide coating is placed within a masking enclosure (50) including an airfoil enclosure (52) that prevents deposition on the airfoil (22) of the gas turbine blade (20), and a dovetail enclosure (54) that prevents deposition on the dovetail (26) of the gas turbine blade (20). The assembly is vapor phase aluminided such that aluminum is deposited on an exposed portion (92) of the gas turbine blade (20) that is not within the masking enclosure (50).

Fig. 3