

METHODS FOR PREPARING AND TESTING A THERMAL-SPRAY COATED SUBSTRATE

ABSTRACT OF THE DISCLOSURE

A method (100) for fabricating and testing an article having a thermal-spray coating thereon. The method includes providing (102) a substrate article having a surface, thermally spraying (104) a coating material onto the surface of the substrate article, wherein a surface of contact between the coating material and the substrate article is a bondline, and nondestructively testing (106) the coated article. Nondestructively testing includes generating (108) an eddy current in the coated article, measuring (110) the eddy current in the coated article, and evaluating (112) a near-bondline region of the coated article located adjacent to the bondline using the measured eddy current.

FIG. 5