

Plasma spray coating with iron oxides for manufacturing of the corrosion-resistant electrodes

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Abstract

© 2018 Institute of Physics Publishing. All rights reserved. Magnetite anodes were manufactured by plasma spray coating of titanium with the iron oxide powder. The powder was obtained by plasma-electrolytic atomization of carbon steel. Porosity, adhesion, specific resistivity of these coatings were measured in relation to size distribution and chemical composition of the powder used for spray coating.

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