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Composite nickel layers with a carbon phase

© Venera Sh. Haybieva, * Raisa E. Fomina, * and Gulfia G. Mingazova

The Department of Inorganic Substances and Materials. Kazan National Research Technological University. Karl Marx St., 68. Kazan, 420015. Tatarstan Republic. Russia.

Phone: +7 (843) 231-41-31. E-mail: 3 venerka 3@mail.ru

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Abstract

Electrochemical coating composition (CEC) are obtained with a matrix of nickel containing the particles of carbon phase. Studied the influence of the concentration of carbon particles on the composition of the CEC and soluble additives NaF at quality coatings. It is shown that the particle of carbon phase accelerate the discharge ions of the main metal. Found increasing corrosion resistance CEC of nickel-carbon compared with a control coating of nickel. The morphology of the surface of the nickel coatings and their microhardness are studied.

^{*}Supervising author; *Corresponding author