

# Nanocomposite nickel plating under non-stationary electrolysis

Larysa K. Kushner<sub>1,</sub>

I. I. Kuzmar<sub>2,</sub>

A. A. Khmyl<sub>3,</sub>

N. V. Dezkunov<sub>4</sub>

1, 2, 3, 4 Belarusian State University of Informatics and Radioelectronics, Minsk, Belarus

**Keywords:** electrochemical composite coatings (ECC), nickel, titanium carbonitride, nonstationary electrolysis, ultrasound.

**Abstract:** The paper presents the results of investigation of the composition, structure, and physicomechanical properties of composite electrochemical nickel coatings. Changes in the properties of nanocomposites depending on the concentration of the dispersed phase, parameters of the periodic current, and on the ultrasound intensity are shown.

**This article published in:** Nanocomposite nickel plating under non-stationary electrolysis / L. K. Kushner [and others] // Nanoscience and Technology: An International Journal. Special Issue: Fullerenes and Nanostructures in Condensed Matter. – 2019. – Vol. 10. – Issue 4. – P. 355-363. – DOI: 10.1615/NanoSciTechnolIntJ.2020031777.

**Internet link to this article:**

<http://dl.begellhouse.com/journals/11e12455066dab5d,1fd108584d342560,2d51c6250083794d.html>.