

. . . , . . .

-

, 15, 49005, ; e-mail: Gryshkevych.O.D@nas.gov.ua

 $(7 - 8) \times 10^{-4}$

1. 2006. 576 .
2. *Anders Andre*. From Plasma Immersion Ion Implantation To Deposition: A Historical Perspective on Principles and Trends. URL:<https://www.semanticscholar.org/paper/>
3. , 2012. 727 .
4. 2007. 2(18). . 112–121.
5. : , 1986. 232 .
6. (): “ ”, 2009. 62 .
7. *Levchuk D*. Plasma assisted techniques for deposition of superhard nanocomposite coatings. 2007. Vol 201. P. 6071–6077. <https://doi.org/10.1016/j.surfcoat.2006.08.113>
8. , 1987. 263 .
9. , 1986. 248 .
10. , 1989. 56 .
11. : , 1998. 218 .
12. Method and apparatus for magnetically enhanced sputtering: Patent US 6296.742: C23C14/35; H01J37/34; H03K3/57 / *Kouznetsov Vladimir*. US19990393294; 19990910; 02.10.2001.

