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Development of technology of microplasma spraying for the application of biocompatible coatings in the manufacture of medical implants(Article)

[Technologia natryskiwania mikroplazmy powłok z proszków i materiałów drucianych w celu nanoszenia biokompatybilnych powłok na implanty medyczne]

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Краткое описание

This paper describes the equipment design of E. O. Paton Electric Welding Institute and technology of microplasma spraying of coatings from powder and wire materials for applying biocompatible coatings for medical implants. The given equipment was introduced at an experimental robotics complex for microplasma spraying at D. Serikbayev East-Kazakhstan State Technical University By this example the authors discuss the challenges and prospects of the development and implementation of microplasma spraying technology. © 2018, SIGMA-NOT. All rights reserved.