
The investigations of current conversion systems based on thermoemission high temperature plasma energy

© V.V. Onufriev, A.B. Ivashkin, V.V. Sinyavsky

Bauman Moscow State Technical University, Moscow, 105005, Russia

The article describes the investigations of Plasma Power Plants Department of Bauman University on thermionic devices and high temperature diodes using in current conversion systems of space power-thruster plants. The more important results of investigations of thermionic plasma convertors are described.

Keywords: *thermoemission reactor, plasma current converter, thermoemission diode, ERT.*

Onufriev V.V., Dr. Sci. (Eng.), Professor of the Plasma Power Plant Department at Bauman Moscow State Technical University. Author of 90 articles.

e-mail: onufryev@bmstu.ru

Ivashkin A.B., Ph.D., Assoc. Professor of the Plasma Power Plant Department at Bauman Moscow State Technical University. Author of 70 articles.

e-mail: anatolyivashkin@yandex.ru

Sinyavsky V.V., Dr. Sci. (Eng.), Professor of the Plasma Power Plant Department at Bauman Moscow State Technical University. Author of 200 articles.

e-mail: Viktor.Sinyavsky@rsce.ru
