

The influence of the mass flow rate of the electrolyte through the following cathode on the energy characteristics of the gas discharge

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Abstract

© Published under licence by IOP Publishing Ltd. Experimentally investigated the energy characteristics of the gas discharge between the flowing electrolyte cathode and a metal anode at a current 7 - 22 A and capacities 8 to 33 kW. It is found that when changing the mass flow rate of the electrolyte through the flowing cathode, it is possible to adjust the combustion mode of the discharge and to receive a stream of steam plasma with average mass temperature of about 3000 K.

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