

The invention relates to the power engineering, particularly to sources for thermal energy obtaining from electric energy.

The claimed device comprises an electrolytic cell, into the body (1) of which there are coaxially placed an external electrode (2) and a central electrode (3), having the ratio between the working surfaces of 100:1. At the same time, the space between the electrodes and between the electrodes and the body is filled with aqueous solution of electrolyte (4), and the central electrode (3) is connected to the negative pole of a unipolar variable with time voltage source. The current density on the surface of the central electrode where the plasma discharge (5) is produced constitutes over 20 A/mm².

Claims: 1

Fig.: 1

