

The invention relates to the field of electrohydrodynamics, namely to convective electrostatic generators and may be used for power supply in different technological processes that require the use of high voltage and low currents. The convective electrostatic generator comprises a housing (1), made in the form of a closed channel, with an ascending part (2) with a heat supply zone (3) in its lower part, and a descending part (4) with a heat removal zone (5) in its upper part. In the descending part (4) of the housing (1), below the heat removal zone (5), is placed a porous partition (6), made of dielectric material, in the upper and lower part of which are installed electrodes (7), connected by means of high-voltage terminals (10) to output terminals (9). The portion of the housing (1) at the level of the porous partition (6) is made of dielectric material (8). The housing (1) is filled with dielectric fluid (11).

Claims: 3

Fig.: 1

