

The invention relates to the electrical engineering and it is provided for electrospark alloying.

The vibrator includes a body provided with an air inlet pipe, wherein it is rigidly fixed an electromagnetic excitation system, including a winding core and an armature spring-loaded in the middle, one end of which is fixed articulately, and the other one is placed into the hole, made into the body, and provided with an electrode holder, placed outside the body, wherein it is installed an electrode. Into the hole of the body there is mounted an elastic sealing bush. Into the armature there is made a longitudinal channel, communicating with the body cavity via through holes executed into the armature walls. At the same time, into the electrode, fixed into the electrode holder with the help of a sealing bush of electroconducting material, there is made an axial channel, communicating with the armature channel.