

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

The installation includes a pulse generator, a piece and an alloying electrode. The pulse generator contains a pulse transformer, additionally provided with a tertiary winding with a lesser amount of turns than in the primary winding. The start of the tertiary winding is connected to the end of the primary one, and to the end of the tertiary winding it is connected to the anode a diode, the cathode of which is connected to the positive terminal of the rectifier, which additionally contains a capacitance ripple filter. The magnetic circuit of the pulse transformer is made with a non-magnetic dielectric gap. The piece is connected to the start of the secondary winding of the pulse transformer, and the alloying electrode to its end, at the same time in series with them it is connected a diode, the anode of which is connected to the end of the secondary winding.