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The invention relates to the electrical engineering field, especially to the pulse generators and it is provided for materials electrosparking alloying.

The pulse generator for electrosparking alloying consists of the subsequently connected constant-voltage source, thyristor and

bridge, into the contiguous arms of which there are connected a thyristor and a capacitor, into the other arms of the bridge there are connected an inductance, in series with the bridge arm containing a capacitor, a diode, in series with the bridge arm containing a thyristor, and diagonally - a gap between the electrode and the piece, both thyristors being agreeably connected, and the diode in opposition to them.

The technical result consists in the possibility of producing the electrosparking alloying at the electrode backward and forward movement, not requiring initiation of the discharge.