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The invention relates to the electroplating, namely to the single-phase power sources for power supply of electrolytic baths or other electrochemical equipment with reduced electric loads ($I < 30$ A).

The single-phase power source for electrochemical processes includes a commutator, a rectifier bridge, one pole of which is connected to the positive terminal and the second – to the inductance-capacitance circuit formed of inductance and capacitance blocks. Novelty consists in that the inductance-capacitance circuit is connected by means of a variable resistor to the negative terminal, and to the inputs of the rectifier bridge it is connected a single-phase transformer. The inductance block is made of several separate coils, placed onto a unique magnetic core with the possibility of selective connection. The capacitance block consists of connected in parallel polar capacitors.

Claims: 3

Fig.: 2