

The invention relates to the electric engineering, namely to devices for automatic maintenance of the controlled variable preset value, in particular to the alternating voltage regulators.

The regulator contains a key-transformer final control element, connected between the input and output terminals, which includes an autotransformer, the windings of which are made with the possibility of modifying the transformation ratios, and a control circuit of the input electronic switches, as well as an error signal conditioner, the input of which is connected to the input terminal and its output - to the input of the input electronic switches control circuit of the key-transformer final control element. The operation of the input electronic switches of the key-transformer final control element is determined by the algorithm of forced connection thereof. The key-transformer final control element supplementary includes a control circuit of the output electronic switches, the operation of which is determined by the algorithm of their connection with time delay about the turn-on time of the input electronic switches. The regulator includes a supplementary error signal conditioner, the input of which is connected to the output terminal and its output - to the input of the control circuit of the output electronic switches. The regulator may include a supplementary power unit, connected to the input terminals.

Claims: 2

Fig.: 1