

The device for independent regulation of electric mode in the three-phase arc furnace comprises a current and voltage feeding device in the regulating circuit of each phase, a comparing unit, a switch, an electrode transference mechanism. The device is additionally provided for a screen pack of arc current direct component in each phase, the inputs being connected with arc current feeding device outputs correspondingly and the outputs of these filters are connected through the diode with flip-flop input. The device relates to electrothermy and can be used for independent regulation of arc power in phases of arc steel furnace under engineering short-circuits.