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The invention relates to the electrical engineering and is provided for realization of the high-power transistor power supply, having the different field use (charging devices, welding apparatus, cathode protection stations).

The control process includes the successive transistors turning on, inlet power limitation and formation of the damped vibrations, by that the next transistor turning on is realized after the self-sustained oscillations finish.

Such a turning on eliminates the leakage currents appearance in the main at the overload right up to the short circuit. In that way it is provided the converter reliable operation.

Claims: 1

Fig.: 3