

The invention relates to the electrical engineering and may be used for synchronization of the static frequency converter and of the alternating-current source.

The device for synchronizing the static frequency converter and the alternating-current source includes a commutation device and, connected to its output, a load, the static frequency converter containing an integrator, a generator, a power part of the static frequency converter and, connected to one of its inputs, a constant-current source. The static frequency converter additionally contains half-wave and full-wave bridges, the NAND gate and a permission device. The alternating-current source is connected to one power input of the commutation device and to the inputs of the half-wave and full-wave bridges. The output of the half-wave bridge is connected to one of the inputs of the NAND gate, the output of which is connected to the input of the integrator, the output of which is connected to one of the inputs of the permission device, one of the outputs of which is connected to the input of the generator, the output of which is connected to the second input of the NAND gate and to the second input of the power part of the static frequency converter, and its output is connected to the second power input of the commutation device. The output of the full-wave bridge is connected to the second input of the permission device, the second output of which is connected to the control input of the commutation device.

Claims: 1

Fig.: 1