

The invention relates to the field of electric power engineering and can be used for connecting the asynchronously operating three-phase alternating current electrical systems.

The process for connecting the alternating current electrical systems consists in that the phase connection is made combinationally and each connection consists of two parallel oscillatory circuits, connected in series, adjusted to the frequency of the passing through alternating current, and the inductance values are controlled electrically by changing the values of the magnetic permeabilities of the ferromagnetic cores, and the control commands are formed from the comparison results of the instantaneous voltage values in the phases of the alternating current electrical systems; at the same time the inductance value in one circuit is increased, and in the other circuit – is decreased, resulting in a series oscillatory circuit, adjusted to the frequency of the passing through alternating current.

Claims: 1

Fig.: 2