

Title (en)
ZERO SEQUENCE CURRENT GENERATOR

Title (de)
NULLSEQUENZSTROMGENERATOR

Title (fr)
GENERATEUR DE COURANT HOMOPOLAIRE

Publication
EP 2145369 A1 20100120 (EN)

Application
EP 07834948 A 20070428

Priority
RU 2007000213 W 20070428

Abstract (en)
[origin: WO2008133543A1] A facility for an identification of an earth-fault feeder in networks with an isolated neutral comprises filters of zero sequence currents, which are included in a circuit of each outgoing filter, and the filter of the zero sequence voltage, which is connected to busbars. A generator of zero sequence current is connected to busbars through a switch, which is controlled by means of control and operation module, which is connected to the zero sequence voltage filter and which accomplishes temporarily closing the above- mentioned switch, when zero sequence voltage exceeds its definite level. The control and operation module comprises a time delay and provides with an identification of one phase-to-ground fault with respect to the zero sequence. The zero sequence current generator comprises a reactor with three-phase non-saturable iron circuit and with windings, which are connected in star with a grounded neutral. To the control and operation module there is connected a drive in the form of series-connected selector and vacuum switching module with three vacuum switches.

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