

Title (en)  
METHOD FOR PRODUCING A FAULT SIGNAL, WHICH INDICATES A FAULT PRESENT IN A SECONDARY CURRENT TRANSFORMER CIRCUIT, AND DIFFERENTIAL PROTECTIVE DEVICE

Title (de)  
VERFAHREN ZUM ERZEUGEN EINES FEHLERSIGNALS, DAS EINEN IN EINEM SEKUNDÄREN STROMWANDLERSTROMKREIS VORLIEGENDEN FEHLER ANZEIGT, SOWIE DIFFERENTIALSCHUTZGERÄT

Title (fr)  
PROCÉDÉ POUR GÉNÉRER UN SIGNAL D'ERREUR INDIQUANT LA PRÉSENCE D'UNE ERREUR DANS UN CIRCUIT ÉLECTRIQUE DE TRANSFORMATEUR DE COURANT AUXILIAIRE, AINSI QUE DISPOSITIF DE PROTECTION PAR CIRCUIT DE COMPENSATION

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Application  
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Abstract (en)  
[origin: WO2008034400A1] The invention relates to a method for producing a fault signal (F), which indicates a fault in the secondary circuit (for example 32a, 35a) of a current transformer (for example 31a, 34a), which interacts with a local differential protective device (33), which monitors a section end (30) of an electrical energy supply system, wherein in the method, measured current values which are detected by the current transformer (for example 41a, 34a) and indicate a current flowing through the section end (30) are monitored by the local differential protective device (33), and a suspicion signal (V) is produced if the absolute values of successive measured current values drop suddenly, and the fault signal (F) is produced if the suspicion signal (V) is present. In order to be able to identify a fault in a secondary current transformer circuit even more reliably with such a method, the invention proposes that a first reset signal (R1) is produced by the local differential protective device (33) if comparison measured current values, which are detected at the time at which the suspicion signal (V) is produced in at least one remote differential protective device, which monitors a further section end of the electrical energy supply system, likewise drop suddenly in terms of their absolute values, and the fault signal (F) is blocked if the first reset signal (R1) is present. The invention also relates to a correspondingly designed differential protective device.

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