

Title (en)
METHOD AND ARRANGEMENT FOR GENERATING AN ERROR SIGNAL

Title (de)
ANORDNUNG UND VERFAHREN ZUM ERZEUGEN EINES FEHLERSIGNALS

Title (fr)
ENSEMBLE ET PROCÉDÉ POUR PRODUIRE UN SIGNAL D ERREUR

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Application
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Abstract (en)
[origin: WO2009152841A1] The invention relates to a method for generating an error signal (T) characterizing a ground fault on a conductor between to conductor ends, wherein a differential value is formed and the error signal is generated when the differential value meets a prescribed initiating condition. According to the invention, a first comparison value (VI1, VU1) is determined for a selectable location (xw) on the conductor (11) using at least one measured current and voltage value (Ia, Ua) taken at a prescribed measurement point in time at one end of the conductor (12), said comparison value indicating the current or the voltage that should flow or be present at the selectable location in an error-free state, and a second comparison value (VI2, VU2) is determined for the selectable location on the conductor using at least one measured current or voltage value (Ib, Ub) taken at the prescribed measurement point in time at the other end of the conductor (15), and the two comparison values are subjected to difference formation, forming the differential value (D).

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