

Title (en)

A METHOD FOR DETERMINING THE LOCATION OF AN OPEN-CIRCUIT FAULT IN AN ELECTRICAL CIRCUIT AND AN ELECTRICAL CIRCUIT

Title (de)

VERFAHREN ZUR BESTIMMUNG DES ORTES EINES SCHALTUNGSUNTERBRECHUNGSFEHLERS IN EINER ELEKTRISCHEN SCHALTUNG
SOWIE EINE ELEKTRISCHE SCHALTUNG

Title (fr)

PROCÉDÉ PERMETTANT DE DÉTERMINER L'EMPLACEMENT D'UN DÉFAUT DE CIRCUIT OUVERT DANS UN CIRCUIT ÉLECTRIQUE ET
CIRCUIT ÉLECTRIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: EP3923684A1] The present invention provides a method for determining the location of an open-circuit fault in an electrical circuit that comprises a plurality of transformers (101), each transformer (101) having a primary winding (102) and a secondary winding (103), the primary windings (102) being electrically connected in series and each secondary winding (103) being electrically connected to a light-emitting diode (104). In the method, a constant-current regulator (105) is used to supply electric power to the primary windings (102), and the alternating voltage supplied by the constant-current regulator (105) is changed so that the light-emitting diodes (104) light up, the open-circuit fault being located between the transformers (101) that are electrically connected to the light-emitting diodes (104) having the smallest light intensities. The invention also relates to an electrical circuit.

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