

Title (en)

TESTING DEVICE AND METHOD FOR TESTING A MONITORING DEVICE WITH TRAVELLING WAVE CAPTURE

Title (de)

PRÜFGERÄT UND VERFAHREN ZUM PRÜFEN EINES ÜBERWACHUNGSGERÄTS MIT WANDERWELLENERFASSUNG

Title (fr)

APPAREIL DE VÉRIFICATION ET PROCÉDÉ DE VÉRIFICATION D'UN APPAREIL DE SURVEILLANCE PAR DÉTECTION D'ONDES PROGRESSIVES

Publication

EP 3472635 A1 20190424 (DE)

Application

EP 17730794 A 20170619

Priority

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- EP 2017064887 W 20170619

Abstract (en)

[origin: WO2017220465A1] In order to make it possible to test a monitoring device with travelling wave capture in the field, as are also installed in real operation, provision is made for the temporal profile of a low-frequency fault voltage (UF(t)) and/or the temporal profile of a low-frequency fault current (IF(t)) of a fault (F) on a current conductor (3) and the time (tA, tB) at which a travelling wave (W) starting from the fault location (F) arrives at a predetermined location (x, L-x) of the current conductor (3) to be calculated in the testing device (10), and for a voltage amplifier (14) for generating the temporal profile of the low-frequency fault voltage (UF(t)) and/or a current amplifier (15) for generating the temporal profile of the low-frequency fault current (IF(t)) to be controlled by a control unit (11) in the testing device (10) in order to output the low-frequency fault voltage (UF(t)) at a voltage output of the testing device (10) and/or the low-frequency fault current (IF(t)) at a current output of the testing device (10), and for a voltage pulse generator (16) for generating a voltage pulse and/or a current pulse generator (17) for generating a current pulse to be controlled by the control unit (11) at the calculated time (tA, tB) of the arrival of the travelling wave (W) in order to superimpose a voltage pulse on the fault voltage (UF(t)) and/or to superimpose a current pulse on the fault current (IF(t)).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2017220465A1

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