

Title (en)
CAPACITIVE INTRUSION PROTECTION SYSTEM

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EP 0239807 B1 19910417 (DE)

Application
EP 87102947 A 19870302

Priority
DE 3607017 A 19860304

Abstract (en)
[origin: EP0239807A1] The system has a multiplicity of electrodes (E) which are connected to an evaluation unit (AWE) by coaxial cables (VL). A measuring unit (MIM) arranged in the electrode circuit is used to measure the current (IM) flowing from the generator (SEN) to the electrode (E). Another measuring unit (MIK), in the evaluation unit (AWE), measures the cable current (IK) flowing through the cable capacitance (CK), the screen conductor (Sch) of the coaxial cable (VL) being connected to earth potential (EP) via the measuring unit (MIK). The difference between the measured current (IM) and the cable current (IK) gives the actual electrode current (IE). The ammeters (MIM, MIK) can consist of an instrument transformer (MW) having a third winding (W3) with the same number of turns as the primary winding (PW). The primary winding (PW) is in the electrode circuit, the third winding (W3) is connected between the screen conductor (Sch) and earth potential (EP). <IMAGE>

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G08B 13/26

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CPC (source: EP)
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Cited by
FR3107286A1; GB2278548A; FR2706041A1; AU671902B2; GB2278548B; GB2274592A; FR2700857A1; AU660866B2; GB2274592B; WO2021160858A1

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