

Title (en)

METHOD AND DEVICE FOR MEASURING THE RESISTANCE IN A SIGNALLING LINE

Publication

EP 0052220 B1 19860723 (DE)

Application

EP 81108038 A 19811007

Priority

DE 3043357 A 19801117

Abstract (en)

[origin: EP0052220A2] 1. A method of measuring the resistance in a signalling line of a hazard alarm system, the individual signalling lines (M, L) of which commence from a central control unit (Z) and are each provided with series-connected alarms (M1 to Mn) having a variable resistance value, where a voltage source (UV) is connected to the signalling line (ML) via a series resistor (RV) and a capacitor (C) is charged by a constant current in dependence upon the resistance value (RX) of the signalling line (ML), characterised in that the capacitor (C) is charged by a separate constant current source independent of the current in the signalling line and its charging time (T), which is proportional to the resistance value (RX), is measured in digital form by means of a counting device and a clock pulse generator (TG), the capacitor being discharged before measurement commences.

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G08B 25/00

IPC 8 full level

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CPC (source: EP)

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Cited by

CN110927465A; CN113433391A; DE10051329C2; EP0529139A1; EP0529140A1; EP0125011A1; US8358743B2; WO2006136494A1; EP1197936B2

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