

Title (en)
SHORT CIRCUIT FAULT ISOLATION MEANS FOR ELECTRICAL CIRCUIT ARRANGEMENTS

Publication
EP 0101172 B1 19870304 (EN)

Application
EP 83303841 A 19830701

Priority
GB 8220753 A 19820716

Abstract (en)
[origin: EP0101172A1] Circuitry is described for isolating a section of a loop circuit (L) from a bi-directional supply unit (20) in the event of a short circuit in the section. One or more circuit elements (21), such as fire detectors, are connected in respective portions of the loop circuit and between respective pairs of bi-directional isolators (1, 2, 3, 4). Each isolator includes switching means (TR1, TR3) providing low and high impedance paths for respectively supplying current to said circuit elements and isolating said circuit elements from the supply unit (20). Each isolator also includes sensing means (TR2, D1, D7) for sensing a short circuit in any one of the circuit elements (21) whereby the sensing means causes a change in state of the switching means from the low to the high impedance path thereby isolating the circuit elements in the respective section of the loop from the supply unit.

IPC 1-7
G08B 29/00

IPC 8 full level
G08B 29/00 (2006.01); **G08B 29/06** (2006.01)

CPC (source: EP)
G08B 29/06 (2013.01)

Cited by
EP4106125A1; GB2319408A; US5400203A; GB2484288A; EP0697684A1; US5754103A; CN1120456C; JPS62117688U; DE3624604A1; FR2585158A1; JPS6221347A; US4752698A; EP3822936A1; US6778371B2; US11367336B2; US11670932B2; WO0229750A1; WO03012759A1; US9673615B2; US10069293B2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0101172 A1 19840222; EP 0101172 B1 19870304; EP 0101172 B2 19920506; AT E25781 T1 19870315; DE 3370089 D1 19870409; NO 158479 B 19880606; NO 158479 C 19880914; NO 832563 L 19840117

DOCDB simple family (application)
EP 83303841 A 19830701; AT 83303841 T 19830701; DE 3370089 T 19830701; NO 832563 A 19830714