Title (en)

SIGNAL TRANSMITTER CIRCUIT INCLUDING A MATRIX FOR LIFT SYSTEMS

Publication

**EP 0100866 B1 19860514 (DE)**

Application

**EP 83106592 A 19830706**

Priority

CH 493282 A 19820818

Abstract (en)

[origin: CA1197329A] INVENTOR: FRITZ MEYER INVENTION: CIRCUIT ARRANGEMENT CONTAINING WIRE MATRIX FOR SIGNAL TRANSMISSION IN ELEVATOR INSTALLATIONS The bidirectional transmission apparatus contains as an essential element a wire matrix utilised in a two-fold or dual manner. The wire matrix comprises two groups of column conductors, each group being provided for one of the two signal transmission directions, and one group of line conductors common to all column conductors. A control unit forms a component of a microprocessor and cyclically controls the line conductors and the column conductors are synchronously scanned and activated, whereby signal transmitters and signal receivers connected to the intersection or crossing points of the wire matrix are detected and controlled in a pulsed manner. The frequency and scanning ratio of the cyclical scanning operation are selected such that even the shortest contact periods to be expected are reliably detected and that, when opto-electronic indicator or display elements are activated, a continuous light or radiation of sufficient intensity is visually discernible. Due to the functional two-fold utilization of the line conductors as well as due to the cyclical operation a high transmission capacity is ensured even if the electronic and installational expense is highly reduced. Using, for example, an 8 by 16-wire matrix there thus can be detected and activated a maximum of sixty-four call and limit or terminal switch signals as well as sixty-four signallings which are simultaneously present at the wire matrix.

IPC 1-7

**B66B 1/34**; B66B 1/46

IPC 8 full level

**B66B 1/34** (2006.01); **B66B 1/46** (2006.01)

CPC (source: EP US)

**B66B 1/34** (2013.01 - EP US); **B66B 1/3415** (2013.01 - EP US); **B66B 1/3446** (2013.01 - EP US); **B66B 1/468** (2013.01 - EP US)

Cited by

EP0187876A1; EP0788995A1; EP1847499A3; US7699143B2

Designated contracting state (EPC)

AT DE FR GB IT

DOCDB simple family (publication)

**EP 0100866 A1 19840222**; **EP 0100866 B1 19860514**; AT E19768 T1 19860515; CA 1197329 A 19851126; CH 656598 A5 19860715; DE 3363506 D1 19860619; FI 73947 B 19870831; FI 73947 C 19871210; FI 832583 A0 19830715; FI 832583 A 19840219; US 4654657 A 19870331

DOCDB simple family (application)

**EP 83106592 A 19830706**; AT 83106592 T 19830706; CA 432895 A 19830721; CH 493282 A 19820818; DE 3363506 T 19830706; FI 832583 A 19830715; US 51658583 A 19830725