

Title (en)
PHOTOELECTRIC OBSTRUCTION DETECTOR FOR ELEVATOR DOORWAYS.

Title (de)
FOTOELEKTRISCHER HINDERNISDETEKTOR FÜR FAHRSTUHLTÜREN.

Title (fr)
DETECTEUR PHOTO-ELECTRIQUE D'OBSTRUCTION POUR PORTES D'ASCENSEURS.

Publication
EP 0070883 A4 19840529 (EN)

Application
EP 82900762 A 19820128

Priority
AU PE753381 A 19810210

Abstract (en)
[origin: WO8202787A1] In the entranceway between an elevator car and a floor are two oppositely sliding doors (10, 20). The approach of these doors is controlled by a detection system that senses the presence of objects between the doors. This system includes, on each door, a plurality of emitters (12, 22) which are vertically spaced apart the door edge (11, 21), for radiating non-collimated light towards the edge of the other door. At the top and bottom portions of each door edge there is a sensor (13, 23), which can receive the radiation for the emitters on the other door edge. The emitters on each door edge are sequentially turned on and the sensors on the opposite door edge provide a corresponding signal as they are turned on, unless an obstruction is in the way, causing the detection system to generate a signal that thus indicates that an object is between the doors.

IPC 1-7
G08B 13/18

IPC 8 full level
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CPC (source: EP)
B66B 13/26 (2013.01); **E05F 15/43** (2015.01); **E05F 2015/434** (2015.01); **E05Y 2900/104** (2013.01)

Citation (search report)

- [X] EP 0011744 A1 19800611 - SICK OPTIK ELEKTRONIK ERWIN [DE]
- [X] US 3858043 A 19741231 - SICK ERWIN [DE], et al
- [AP] US 4266124 A 19810505 - WEBER DANIEL R, et al

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
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DOCDB simple family (application)
US 8200113 W 19820128; CA 395793 A 19820208; DE 3277425 T 19820128; EP 82900762 A 19820128; ES 509497 A 19820210; JP 50079982 A 19820128