

Title (en)
Security elevator door system

Title (de)
Sicherheitssystem für Aufzugtür

Title (fr)
Système de sécurité pour porte d'ascenseur

Publication
EP 0795511 A1 19970917 (EN)

Application
EP 97600002 A 19970227

Priority
GR 96100076 A 19960307

Abstract (en)
The invention refers to a system of securing shaft doors for elevators. The system is characterised from the fact that it can be placed on the flaps of the shaft-doors of the elevators and consist of (Fig.1) a base (1) where two micro-switches (5) are attached and which are placed in the interior of every flap of a shaft-door in a way that the hole existing in them is exactly aligned with the stroke of the safety linchpin of the lock, as well as from an electronic device (6) in the shape of a monitor with two indicative lights (8) and a beeper (9) which are placed on the outside of every shaft-door. This system on one hand does not allow the set-out of the lift-cage if the shaft-door is not closed and secured, even if there is a malfunction of the mechanism of latching and/or if the electric and electronic parts of the elevator or even if there is a deliberate by-pass of the safety mechanisms of the elevator; and on the other hand, does not allow the opening of the shaft if the cagelift is not behind it and, last, the new system warns audiovisually for the arrival of the lift-cage, only when the cages arrives and has stopped behind the door. With this invention within the framework of an economical solution the thus greater safety of the elevators users is acheived from probable installation deficiencies due to bad manufacture, maintenance or even mechanisms' ageing and can also be used by people with special needs. <IMAGE>

IPC 1-7
B66B 13/22; **B66B 3/00**

IPC 8 full level
B66B 3/00 (2006.01); **B66B 13/22** (2006.01)

CPC (source: EP)
B66B 3/00 (2013.01); **B66B 13/22** (2013.01)

Citation (search report)
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Designated contracting state (EPC)
DE ES FR GB IT NL

DOCDB simple family (publication)
EP 0795511 A1 19970917; GR 1002473 B 19961121

DOCDB simple family (application)
EP 97600002 A 19970227; GR 960100076 A 19960307