

Title (en)

Safety blocking system for an elevator swinging door.

Title (de)

Sicherheitsblockiersystem für eine Aufzugsschwingtür.

Title (fr)

Système de blocage de sécurité pour une porte battante d'ascenseur.

Publication

EP 0506155 B1 19951025 (EN)

Application

EP 92200451 A 19920218

Priority

BR 9101160 A 19910325

Abstract (en)

[origin: EP0506155A2] The patent deals with a safety system for blocking an elevator swinging door, to guarantee the closing and/or blocking of the door, made up of a blocking assembly mounted on the doorframe (4) this blocking assembly including a closure ratchet (8) which can be moved on the doorframe (4) between blocked and unblocked positions; an activator (10) of closer ratchet (8) mounted on the doorframe (4) and connected in operation to the closer ratchet (8) in that a rotation of this activator (10) of closer ratchet (8) results in the movement of the closer ratchet (8) between the mentioned blocked and unblocked positions; a key guide (12) covering activator (10) of the closer ratchet and including an opening (14) in the closer ratchet for access to activator (10) of closer ratchet; and an emergency key (22) having a nozzle (28) to come into contact with the activator (10) of closer ratchet and to turn the latter through said opening (14) of the key guide (12), it being possible to operate this key guide (12) to prevent the nozzle (28) of the key and activator (10) of closer ratchet from being released when this closer ratchet (8) is in the unblocked door position; a mechanism (52) to hold the closer ratchet in the unblocked door position when the floor door is open; and a trigger mechanism (34) to free the holding mechanism when the floor door is closed so that the closer ratchet returns to its door blocked position in order to block the door and the emergency key (22) returns to the initial position in which the nozzle (28) of the key can be disconnected from the ratchet activator (10) and can be removed from the doorframe (4.) <IMAGE>

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IPC 8 full level

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Cited by

CN1057504C; FR2809441A1; FR2791081A1; CN105668391A; CN110143512A; FR2827265A1; FR2866640A1; US6851521B2; KR101406049B1; CN106853941A; FR2873669A1; EP1621511A3; WO03006354A1; WO0057007A1; US10822201B2; EP2603693B1

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