

Title (en)  
Elevator installation comprising an auxiliary system for moving the passenger car

Title (de)  
Auzugssystem mit Hilfsantrieb

Title (fr)  
Système d'ascenseur avec entraînement auxiliaire

Publication  
**EP 1857398 A2 20071121 (EN)**

Application  
**EP 07107901 A 20070510**

Priority  
IT RC20060012 A 20060516

Abstract (en)  
A lift installation (100), comprising a movable car (9) for carrying loads and in particular passengers; a hoistway for the travel of said car (9) among a plurality of floors (P 1a-2 , P 1a-1 , P 1a , P 1a+1 ) for stopping and accessing to a building, located at respective levels; and a main system for supporting and moving the car in the hoistway (3); characterised in that it further comprises intermediate members (15, 32, 33, 52, 53) for the removable coupling between the car (9) and the main system; and an auxiliary system for supporting and moving the car, selectively actuable by passengers inside of the car (9) when uncoupled from the main system, at the onset of a malfunctioning of the main system with a corresponding stopping of the lift at a given level (P 1a ) comprised between two floors (P 1a-1 , P 1a+1 ) of said plurality of stop and access floors; the auxiliary system comprising control means (19) for controlling the travel of said car (9) in said hoistway (3), said means (19) being independent from said main system; wherein said intermediate coupling members, the car (9) and the auxiliary system cooperate so that the car (9) assumes a first standard operating configuration ( $\pm$ ), coupled with the main system, wherein the relative position between the intermediate members associated to the main system (15, 52, 53) and the car (9) is fixed, the mutual distance remaining unchanged; and a second emergency configuration ( $^2$ ), uncoupled from the main system, wherein the relative position between the intermediate members associated to the main system (15, 52, 53) and the car (9) is selectively changeable by a user, the mutual distance being adjustable by said control means (19); so as to carry out the return of the car (9) to a floor (P 1a-1, P 1a+1 ) adjacent to the given stop level (P 1a ) of the lift, thereby allowing anyhow the evacuation of the passengers and/or the load held up in the car (9).

IPC 8 full level  
**B66B 5/02** (2006.01)

CPC (source: EP)  
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Cited by  
CN109641714A; US10124990B2; WO2018044936A1

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Designated extension state (EPC)  
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