Title (en)

DOOR ACTUATING APPARATUS WITH A LOCKING MECHANISM FOR LIFTS

Publication

EP 0332841 B1 19920429 (DE)

Application

EP 89102088 A 19890208

Priority

CH 105188 A 19880318

Abstract (en)

[origin: EP0332841A1] With this device, it is possible to open the car door (30) of a lift car located in the area of a floor together with a shaft door, and in fact in the normal case automatically driven by a drive (36) or, in the event of a power failure, manually by a passenger. If the lift car is located outside a floor, the car door remains locked by the same device. The car door (30) is driven by a band-shaped drive means (42) via a driving parallelogram (1) consisting of a rigid and a movable cam (2, 3) and arranged on the top part of a car door. For the free travel, the driving parallelogram (1) is closed; it opens for coupling to the shaft door between two coupling rollers, arranged on the shaft door, before movement of the doors takes place. The movable cam (3) of the driving parallelogram (1) has a compressible stop cam (5) which is lifted from a rigid cam carrier (4) by leaf springs (6) during the travel and during holding outside a floor. During the coupling with the coupling rollers (44, 45) of a shaft door, the stop cam (5) is pressed against the rigid cam carrier (4). This displacement is utilised for unlatching a car door latch (12). <IMAGE>

IPC 1-7

B66B 13/12

IPC 8 full level

B66B 13/06 (2006.01); **B66B 13/12** (2006.01); **B66B 13/18** (2006.01)

CPC (source: EP KR US)

B66B 13/08 (2013.01 - KR); **B66B 13/12** (2013.01 - EP US)

Cited by

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