Title (en)

Door locking system

Title (de)

Tür-Zuhalteeinrichtung

Title (fr)

Système de verrouillage pour porte

Publication

EP 0634353 B1 20000105 (DE)

Application

EP 94110061 A 19940629

Priority

US 8964693 A 19930712

Abstract (en)

[origin: US5377785A] A door closing system for subsequent installation on an automatic sliding door of an elevator car is coupled, at floor stops, via cams and couplings with the hoistway door and is opened and closed together therewith, wherein the closing system prohibits opening of the elevator door from the inside of the car when the car is between two floors, i.e., outside the door opening zone of a floor, wherein a rocker mechanism is affixed to a fixed or movable cam of the clutch and coupling mechanism of the door, the rocker mechanism being tilted by coupler brackets of the hoistway door during normal operation of the door within the door opening zone and, via a transfer means, removes a locking pawl from a hook retainer and thus mechanically frees the door for opening, with the rocker mechanism not being actuatable outside of the door opening zone and blocking the car door via the locking pawl that is kept in a mechanically interlocked position via a compression spring.

IPC 1-7

B66B 13/12

IPC 8 full level

B66B 13/12 (2006.01)

CPC (source: EP US)

B66B 13/12 (2013.01 - EP US)

Cited by

CN107522076A; AT412339B; EP1930285A1; US11332346B2; US6591946B2; WO2019096756A1; US7252179B2; US7637356B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0634353 A2 19950118; **EP 0634353 A3 19950503**; **EP 0634353 B1 20000105**; AT 188449 T 20000115; CA 2125348 A1 19950113; CA 2125348 C 20041012; DE 59409046 D1 20000210; US 5377785 A 19950103

DOCDB simple family (application)

EP 94110061 A 19940629; AT 94110061 T 19940629; CA 2125348 A 19940607; DE 59409046 T 19940629; US 8964693 A 19930712