

Title (en)
Elevator.

Title (de)
Aufzug.

Title (fr)
Ascenseur.

Publication
EP 0513509 B1 19951122 (DE)

Application
EP 92105573 A 19920401

Priority
CH 143691 A 19910514

Abstract (en)
[origin: EP0513509A1] With this device, it is possible to open the car door of an elevator car located in the region of a particular floor, together with a coupled shaft door, normally by automatic drive or, in a power cut, by hand. If the elevator car is located outside a particular floor, the car door remains locked. A control cam (15) arranged at the upper end of a door leaf of the car door is connected in an articulated manner to the door-driving device via a band-shaped drive means. The control cam (15) brings about a low-jolt opening and closing of the car door on the closing side and of a driving parallelogram (18) necessary for coupling the shaft door to the car door and connected to the control cam (15) by means of a pull rod (36). Also arranged at the upper end of the same door leaf independently of the door-driving device is a locking mechanism having a pivotably mounted car-door bolt (46) and an electrical safety contact. The car-door bolt (46) possesses for release an actuating roller (49) which is actuated by a double lever (39), connected in an articulated manner to the driving parallelogram (18) and to the control cam (15), when the car stands in the door-opening region of a particular floor. <IMAGE>

IPC 1-7
B66B 13/12

IPC 8 full level
B66B 13/12 (2006.01); **E05F 15/10** (2006.01)

CPC (source: EP KR US)
B66B 13/00 (2013.01 - KR); **B66B 13/12** (2013.01 - EP US)

Cited by
US5918706A; DE112010003974B4; FR2717166A1; EP1930285A1; CN100383030C; CN104003269A; EP1541517A1; CN100379672C; US6021871A; EP0701961A1; FR2724643A1; US5819877A; DE29508499U1; EP0744373A3; US7100745B2; US6513628B2; US8973714B2; US7637356B2; WO9737923A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL PT SE

DOCDB simple family (publication)
EP 0513509 A1 19921119; EP 0513509 B1 19951122; AT E130581 T1 19951215; AU 1621492 A 19921119; AU 647921 B2 19940331; CA 2065588 A1 19921115; CA 2065588 C 20031028; CN 1028743 C 19950607; CN 1068544 A 19930203; DE 59204394 D1 19960104; DK 0513509 T3 19960318; ES 2083012 T3 19960401; FI 101529 B1 19980715; FI 101529 B 19980715; FI 922162 A0 19920513; FI 922162 A 19921115; GR 3018752 T3 19960430; HK 25097 A 19970227; HU 209748 B 19941028; HU 9201574 D0 19920828; HU T61243 A 19921228; JP 3192474 B2 20010730; JP H05178569 A 19930720; KR 920021430 A 19921218; KR 960001526 B1 19960201; MX 9202212 A 19921101; NO 302878 B1 19980504; NO 921882 D0 19920513; NO 921882 L 19921116; RU 2035374 C1 19950520; TR 25720 A 19930901; US 5246089 A 19930921; ZA 923464 B 19930127

DOCDB simple family (application)
EP 92105573 A 19920401; AT 92105573 T 19920401; AU 1621492 A 19920513; CA 2065588 A 19920408; CN 92103531 A 19920513; DE 59204394 T 19920401; DK 92105573 T 19920401; ES 92105573 T 19920401; FI 922162 A 19920513; GR 960400141 T 19960119; HK 25097 A 19970227; HU 9201574 A 19920512; JP 11902492 A 19920512; KR 920008107 A 19920514; MX 9202212 A 19920513; NO 921882 A 19920513; SU 5011595 A 19920508; TR 46892 A 19920512; US 88270092 A 19920514; ZA 923464 A 19920513