Title (en)

DOOR DRIVE DEVICE WITH A LOCK MECHANISM FOR A LIFT

Publication

EP 0164581 B1 19870812 (DE)

Application

EP 85105733 A 19850510

Priority

CH 259584 A 19840528

Abstract (en)

[origin: EP0164581A1] 1. Door drive device with locking mechanism for lifts, in which a cage door (33), which in the region of the floors is shape-lockingly connectable through a coupling mechanism with a shaft door (44), is movable by a drive, wherein the coupling mechanism consists of an entraining parallelogram linkage (11) borne at the cage door (33) and two respective spigots (12) fastened to each shaft door (44), the drive is disposed in a dead centre position when the cage door (33) is closed and the drive means of the door drive device (38) is driven by way of a step-down gear from a motor (34) arranged on the cage (31), characterized thereby, that a pawl (7), which is pivotably borne at the cage door (33) and rests against an abutment (23) arranged at the cage (31), is locked in a retaining position through a toggle lever (5), which at one end is pivotably borne at the entraining parallelogram linkage (11) and at the other end is connected through a strap (20) with the pawl (7), and is pressed into a release position through a control roller (9), which is rotatably borne at the toggle lever (5) and has run up on a fixed control cam (10) provided at the shaft door.

IPC 1-7

B66B 13/12

IPC 8 full level

B66B 13/12 (2006.01)

CPC (source: EP)

B66B 13/12 (2013.01)

Cited by

US6021871A; EP0484169A3; AT412339B; US5246089A; CN105035921A; GB2207122A; GB2207122B; EP0839753A1; US5575357A; EP0410774A3; US4926974A; GB2206331A; GB2206331B; EP0482264A1; EP0332841A1; US4947964A; AU613162B2; US7252179B2; US11247872B2; US5988320A; AU717228B2; CN1076005C; EP0744373A3; EP0709334A1; US5690189A; AU688966B2; US5377785A; EP3699131A1; WO9710168A1; US11254542B2

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