

Title (en)
Device for lifting a vertically movable door

Title (de)
Vorrichtung zum Heben einer vertikal beweglichen Tür

Title (fr)
Dispositif de levage de porte à mouvement vertical

Publication
EP 0803626 B1 20000705 (FR)

Application
EP 97400782 A 19970404

Priority
FR 9605245 A 19960425

Abstract (en)
[origin: EP0803626A1] The door is raised vertically by a drum (14), driven by an electric motor, which activates operating links fastened to the door. The motor is coupled to an intermediate plate (34), which has a predetermined rotational play, on the drum fixed support (20). A pawl (36), mounted near the drum and coupled to the intermediate plate, pivots into a predetermined position to engage a stop (28) when the intermediate piece is rotated consecutively consequent to a failure of the door retainer. The fixed support forms a bearing for the shaft (16) to which the drum is fixed. The intermediate plate, which is located in an axial extension of the shaft, has rectangular holes (38) in which guide bolts (40) are engaged. A spring (48) between the fixed support and intermediate piece assists the latter into a stable position when the pawl is distanced from the stop.

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E05D 13/00

IPC 8 full level
E05D 13/00 (2006.01); **E06B 3/44** (2006.01)

CPC (source: EP)
E05D 13/003 (2013.01); **E05D 13/1269** (2013.01); **E05D 13/1261** (2013.01); **E05Y 2900/106** (2013.01)

Cited by
EP1213428A1; EP1892360A1; NL1032353C2; US6862845B2; WO2017076799A1

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