

Title (en)  
LIFT DOOR ACTUATING DEVICE

Publication  
**EP 0182142 B1 19880323 (DE)**

Application  
**EP 85113516 A 19851024**

Priority  
CH 558284 A 19841122

Abstract (en)  
[origin: ES8609151A1] The door drive is intended for use with a relatively great number of different elevator cars, different types of sliding doors, and different widths of sliding door panels. The door drive is readily adaptable to different installations merely by appropriate adjusting and conversion work without dismounting the door drive. The door drive is fitted with its supporting structure above the door opening on the roof of the elevator car. A toothed belt serves as a drive for one panel of a sliding door and is trained around a stationary and a positionally changeable deflection roll. The positionally changeable deflection roll can be adapted to each required displacement path of a given door panel by positionally changing a shaft of such deflection roll to a preselected one of a number of fixing holes provided in the supporting structure. The maximum displacement path of the driven panel thus corresponds to the horizontal distance of the axes of the two deflection rolls increased by the radii of the two deflection rolls. Guidance of a connecting joint, arranged at the toothed belt and at a coupling bracket of the door panel, around the deflection rolls results in a gradual starting acceleration and a gradual run-out deceleration when opening or closing the sliding door.

IPC 1-7  
**B66B 13/08**; **E05F 15/14**

IPC 8 full level  
**B66B 13/08** (2006.01); **E05F 15/14** (2006.01)

CPC (source: EP US)  
**B66B 13/08** (2013.01 - EP US); **E05F 15/643** (2015.01 - EP US); **E05Y 2900/104** (2013.01 - EP US)

Cited by  
GR1002916B; CN111764778A; US11530565B2; WO9806920A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI NL

DOCDB simple family (publication)  
**EP 0182142 A1 19860528**; **EP 0182142 B1 19880323**; AT E33124 T1 19880415; DE 3561941 D1 19880428; ES 548659 A0 19860901; ES 8609151 A1 19860901; FI 79283 B 19890831; FI 79283 C 19891211; FI 854457 A0 19851113; FI 854457 A 19860523; US 4711323 A 19871208

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**EP 85113516 A 19851024**; AT 85113516 T 19851024; DE 3561941 T 19851024; ES 548659 A 19851107; FI 854457 A 19851113; US 79738385 A 19851112