

Title (en)  
Garage door drive with rail guide

Title (de)  
Garagentorantrieb mit Schienenführung

Title (fr)  
Entraînement de porte de garage avec rail de guidage

Publication  
**EP 0982459 A3 20000524 (DE)**

Application  
**EP 99115764 A 19990810**

Priority  
DE 19839109 A 19980827

Abstract (en)  
[origin: EP0982459A2] The base plate (2) for the motor unit is provided with an elongated guide rail part (1), one end of the guide rail (3) being slidably received and fixable on the outside of this part. A cavity (6) in the guide rail part has its open side facing the guide rail and houses a deflection part (10) for the drive belt drum. The opposite side of the drive wheel (5) to the guide rail engages with the deflection part. The motor unit comprises an electric motor and drive wheel mounted in the door frame region, along with a guide roll, a drive belt (7), a guide rail fitted between the door frame and power mechanism, and a sliding member moved along the rail by the drive belt. A push rod pivotably joined to a top part of the door is connected to the sliding member by an articulated joint. End switches (9) are used to turn the motor off when the door has been opened or closed.

IPC 1-7  
**E05F 15/16**

IPC 8 full level  
**E05F 15/16** (2006.01); **E05F 15/681** (2015.01)

CPC (source: EP)  
**E05F 15/681** (2015.01); **E05Y 2900/106** (2013.01)

Citation (search report)

- [A] DE 3726685 A1 19890223 - BERNER KURT [DE]
- [A] DE 3328888 C1 19850509 - HOERMANN KG ANTRIEB STEUERTEC
- [DPA] DE 19816562 C1 19990506 - PRETTL ROLF [DE]
- [A] EP 0500984 A1 19920902 - BERNER KURT [DE]

Cited by  
EP1790814A1; EP1467056A3

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

DOCDB simple family (publication)  
**EP 0982459 A2 20000301**; **EP 0982459 A3 20000524**; DE 19839109 A1 20000302

DOCDB simple family (application)  
**EP 99115764 A 19990810**; DE 19839109 A 19980827