

Title (en)  
Housing of a drive unit for doors

Title (de)  
Torantriebsgehäuse

Title (fr)  
Boîtier pour un entraînement de porte

Publication  
**EP 1452681 A3 20090311 (DE)**

Application  
**EP 04003824 A 20040219**

Priority  
DE 20303315 U 20030228

Abstract (en)  
[origin: EP1452681A2] The electromechanical drive for such as a garage door has a base unit [3] in which the motor, transmission and electrical elements are installed. Mechanical output is in the form of a slide elements [6]. The base is enclosed by a cover. The base has features that allow additional elements to be stored within and expansion housing that fits on the base.

IPC 8 full level  
**E05F 15/16** (2006.01); **E05F 15/10** (2006.01)

CPC (source: EP US)  
**E05F 15/603** (2015.01 - EP US); **E05F 15/668** (2015.01 - EP US); **E05Y 2201/10** (2013.01 - EP US); **E05Y 2201/412** (2013.01 - EP US); **E05Y 2201/46** (2013.01 - EP US); **E05Y 2800/232** (2013.01 - EP US); **E05Y 2800/72** (2013.01 - EP US); **E05Y 2900/106** (2013.01 - EP US)

Citation (search report)

- [X] WO 9851944 A1 19981119 - OVERHEAD DOOR CORP [US]
- [XA] DE 29809641 U1 19981112 - MARANTEC ANTRIEB STEUERUNG [DE]
- [A] DE 4343695 A1 19950622 - DORMA GMBH & CO KG [DE]

Cited by  
EP1760240A3; EP2315219A3

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)  
AL LT LV MK

DOCDB simple family (publication)  
**DE 20303315 U1 20040708**; CN 1526907 A 20040908; CN 1526907 B 20100526; DE 102004006517 A1 20040909; EP 1452681 A2 20040901; EP 1452681 A3 20090311; US 2004245259 A1 20041209; US 7294945 B2 20071113

DOCDB simple family (application)  
**DE 20303315 U 20030228**; CN 200410033043 A 20040228; DE 102004006517 A 20040210; EP 04003824 A 20040219; US 79141604 A 20040301