

Title (en)  
Door opener

Title (de)  
Türöffner

Title (fr)  
Dispositif d'ouverture de porte

Publication  
**EP 1428965 A3 20090826 (DE)**

Application  
**EP 03025591 A 20031108**

Priority  
DE 10258082 A 20021211

Abstract (en)  
[origin: EP1428965A2] Door-opening device (1) comprises a drive (2) and a force-transfer element connected to the door to be opened and driven by the drive. A connecting element (20) arranged between the drive and the force-transfer element consists of a drive-side connecting body and a door-side connecting body that move toward each other. The two connecting bodies are coupled to each other during operation of the drive in favor of a force flow from the drive to the force-transfer element. The two connecting bodies are brought into an uncoupled position by a force flow from the force-transfer element to the drive. Preferred Features: The door opener has a linear transmission (7) connected to the drive. The connecting element consists of a tie rod (15) and a connecting rod (16) telescopically arranged inside each other.

IPC 8 full level  
**E05F 15/12** (2006.01); **E05F 3/10** (2006.01)

CPC (source: EP)  
**E05F 3/10** (2013.01); **E05F 15/627** (2015.01); **E05F 15/63** (2015.01); **E05F 3/102** (2013.01); **E05Y 2201/234** (2013.01); **E05Y 2201/67** (2013.01); **E05Y 2400/3013** (2024.05); **E05Y 2900/132** (2013.01)

Citation (search report)  
• [X] DE 3730114 A1 19880511 - PROTOR AG [CH]  
• [X] WO 0233206 A1 20020425 - BAECKMAN ERIC [SE]  
• [A] US 3716945 A 19730220 - COOPER N, et al

Cited by  
NL2005330C2; EP2428631A3; EP2428631A2

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)  
**EP 1428965 A2 20040616**; **EP 1428965 A3 20090826**; DE 10258082 A1 20040708; DE 10258082 B4 20050324; DE 20221911 U1 20090618

DOCDB simple family (application)  
**EP 03025591 A 20031108**; DE 10258082 A 20021211; DE 20221911 U 20021211