

Title (en)  
Door drive

Title (de)  
Türantrieb

Title (fr)  
Commande de porte

Publication  
**EP 1340877 A3 20070822 (DE)**

Application  
**EP 03004486 A 20030228**

Priority  
• DE 10209268 A 20020301  
• DE 10259925 A 20021220

Abstract (en)  
[origin: EP1340877A2] The arrangement has at least one mechanical energy storage device (7,8) whose energy output is used to move the panel and is influenced by an electrically driven valve (20). Panel movement is detected by a sensor (22) whose output signal is fed to an input of a controller (24) that controls the valve so that the energy output from the storage device is dependent on panel movement.

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

CPC (source: EP US)  
**E05F 3/102** (2013.01 - EP US); **E05F 3/12** (2013.01 - EP US); **E05F 3/223** (2013.01 - EP US); **E05F 15/42** (2015.01 - EP US); **E05F 5/12** (2013.01 - EP US); **E05F 15/41** (2015.01 - EP US); **E05F 15/71** (2015.01 - EP US); **E05F 2015/483** (2015.01 - EP US); **E05Y 2400/10** (2013.01 - EP); **E05Y 2400/20** (2013.01 - EP); **E05Y 2400/302** (2013.01 - EP US); **E05Y 2400/336** (2013.01 - EP US); **E05Y 2400/40** (2013.01 - EP US); **E05Y 2400/532** (2013.01 - EP US); **E05Y 2400/616** (2013.01 - EP US); **E05Y 2600/40** (2013.01 - EP US); **E05Y 2600/458** (2013.01 - EP US); **E05Y 2800/21** (2013.01 - EP US); **E05Y 2900/132** (2013.01 - EP US)

Citation (search report)  
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• [X] US 5687451 A 19971118 - SINGER LOTHAR [DE]  
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

Designated extension state (EPC)  
AL LT LV MK RO

DOCDB simple family (publication)  
**EP 1340877 A2 20030903; EP 1340877 A3 20070822; EP 1340877 B1 20160525**; CA 2420748 A1 20030901; CA 2420748 C 20110628; CN 1291127 C 20061220; CN 1448608 A 20031015; US 2003213092 A1 20031120; US 7571515 B2 20090811

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**EP 03004486 A 20030228**; CA 2420748 A 20030303; CN 03128533 A 20030228; US 37702703 A 20030303