

Title (en)  
Folding door actuating device

Title (de)  
Falttürantrieb

Title (fr)  
Entraînement de porte pliante

Publication  
**EP 1160409 B1 20120905 (DE)**

Application  
**EP 01113471 A 20010602**

Priority  
DE 10027416 A 20000602

Abstract (en)  
[origin: EP1160409A2] The drive (1) includes at least two electric motors (5, 6). The first (5) is designed to turn the door shafts and the second (6) to drive the sliding bearings (26, 36)

IPC 8 full level  
**E05F 15/605** (2015.01); **E05F 17/00** (2006.01)

CPC (source: EP)  
**E05F 15/605** (2015.01); **E05F 17/004** (2013.01); **E05F 15/41** (2015.01); **E05F 15/614** (2015.01); **E05F 15/643** (2015.01);  
**E05Y 2201/434** (2013.01); **E05Y 2400/315** (2013.01); **E05Y 2400/415** (2013.01); **E05Y 2400/554** (2013.01); **E05Y 2400/564** (2013.01);  
**E05Y 2800/21** (2013.01); **E05Y 2800/242** (2013.01); **E05Y 2900/132** (2013.01)

Citation (examination)  
• WO 9213300 A1 19920806 - SWINTEC AG [CH]  
• US 5711112 A 19980127 - BARTEN MICHAEL T [DE], et al  
• DE 4443500 A1 19950614 - GEZE GMBH & CO [DE]

Cited by  
EP3034754A1; GB2458510A; GB2458510B; EP3943701A1; EP2248980A1; EP2653642A1; CN103375100A; JP2013224576A;  
AU2013203452B2; EP4019730A1; US9500019B2; WO2011090423A1

Designated contracting state (EPC)  
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**EP 1160409 A2 20011205**; **EP 1160409 A3 20030709**; **EP 1160409 B1 20120905**; DE 10027416 A1 20011206; DE 10027416 B4 20080918;  
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