

Title (en)  
Drive device for a door

Title (de)  
Antriebseinrichtung für eine Tür

Title (fr)  
Dispositif d'entraînement pour une porte

Publication  
**EP 1092829 B1 20160706 (DE)**

Application  
**EP 00122101 A 20001012**

Priority  
DE 19949744 A 19991015

Abstract (en)  
[origin: EP1092829A2] The building door actuator (3) has a drive motor (31) to close the door and an energy reservoir coil spring to open the door. The reservoir (34) is primed as the door is closed and some of the energy is reused to open the door. The reservoir has an emergency opening control with an electrically operated lock (33) to retain the door closed. The lock can be released by an electrical signal so that the door can be opened. Claims include a method for operating the door

IPC 8 full level  
**E05F 1/10** (2006.01); **E05F 3/10** (2006.01); **E05F 3/22** (2006.01); **E05F 15/00** (2015.01); **E05F 15/53** (2015.01); **E05F 15/72** (2015.01)

CPC (source: EP)  
**E05F 3/102** (2013.01); **E05F 3/223** (2013.01); **E05F 3/224** (2013.01); **E05F 15/53** (2015.01); **E05F 15/72** (2015.01); **E05F 1/1091** (2013.01); **E05F 15/00** (2013.01); **E05Y 2201/216** (2013.01); **E05Y 2201/232** (2013.01); **E05Y 2201/246** (2013.01); **E05Y 2201/41** (2013.01); **E05Y 2201/422** (2013.01); **E05Y 2201/448** (2013.01); **E05Y 2201/462** (2013.01); **E05Y 2400/3015** (2024.05); **E05Y 2400/45** (2013.01); **E05Y 2400/80** (2013.01); **E05Y 2900/132** (2013.01)

Citation (opposition)  
Opponent : ASSA ABLOY Entrance Systems AB  
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• DE 3406409 C2 19940519 - GEZE GRUNDSTUECK BETEILIGUNG [DE]  
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• US 3129936 A 19640421 - MARTIN CARLSON  
• US 5771635 A 19980630 - SKINNER KEITH THOMAS [GB]  
• EP 0448867 A1 19911002 - YALE SECURITY INC [US]

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