

Title (en)
Drive device for a door

Title (de)
Antriebseinrichtung für eine Tür

Title (fr)
Dispositif d'entraînement pour une porte

Publication
EP 1092829 A3 20050831 (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 1-7
E05F 15/04; **E05F 15/20**; **E05F 3/22**

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

- [XY] GB 2161540 A 19860115 - CHEN KUEN NENG
- [XY] US 3129936 A 19640421 - MARTIN CARLSON
- [Y] US 5771635 A 19980630 - SKINNER KEITH THOMAS [GB]
- [A] EP 0448867 A1 19911002 - YALE SECURITY INC [US]

Cited by
ITAN20100149A1; CN105401826A; CN104246101A; CN110219545A; FR2892755A1; EP2366860A3; CN107939188A; EP1355030A3; CN101597989A; FR2945831A1; US7650669B2; US11454055B2; US7966771B2; US10900274B2; WO2011098528A1; US11480001B2; US9759001B2; US11560746B2; EP1655438A2; WO2006066666A1; EP2366860B1; EP2896763A1; US11261640B2; US11802432B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1092829 A2 20010418; **EP 1092829 A3 20050831**; **EP 1092829 B1 20160706**; DE 19949744 A1 20010419; DE 19949744 B4 20140522

DOCDB simple family (application)
EP 00122101 A 20001012; DE 19949744 A 19991015