

Title (en)  
Door opener

Title (de)  
Türöffner

Title (fr)  
Dispositif d'ouverture de porte

Publication  
**EP 0922821 A3 20000531 (DE)**

Application  
**EP 98119799 A 19981023**

Priority  
DE 19754658 A 19971209

Abstract (en)  
[origin: DE19754658C1] The door opener has a door opener catch (2), a cooperating rocker (5) for blocking or releasing the latter and an electromagnetic armature (9) for blocking or releasing the rocker. The armature is moved between three successive armature positions via an electromagnet (13) with an integral stop (15) for limiting the movement of the armature. The combined electromagnet and stop is moved between two alternate stop positions dependent on the required rest current or working current operating mode.

IPC 1-7  
**E05B 15/02**; **E05B 47/00**

IPC 8 full level  
**E05B 15/02** (2006.01); **E05B 47/00** (2006.01); **E05B 47/04** (2006.01); **E05B 63/00** (2006.01)

CPC (source: EP US)  
**E05B 47/0047** (2013.01 - EP US); **E05B 63/0065** (2013.01 - EP US); **E05B 2047/0073** (2013.01 - EP US); **E05B 2047/0076** (2013.01 - EP US); **Y10T 292/1082** (2015.04 - EP US); **Y10T 292/11** (2015.04 - EP US); **Y10T 292/699** (2015.04 - EP US)

Citation (search report)

- [DA] EP 0792985 A1 19970903 - FUSS FRITZ GMBH & CO [DE]
- [A] WO 9523269 A1 19950831 - TRIMEC SECURITIES PTY LTD [AU], et al
- [A] US 5490699 A 19960213 - UYEDA ALAN K [US]

Cited by  
ES2424824R1; EP1008712A1; DE19856624C2; EP2312094A2; DE102009049968A1

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)  
**US 5924750 A 19990720**; AT E244348 T1 20030715; CA 2237500 A1 19990609; CA 2237500 C 20020730; DE 19754658 C1 19981224; DE 59808891 D1 20030807; EP 0922821 A2 19990616; EP 0922821 A3 20000531; EP 0922821 B1 20030702; ES 2209031 T3 20040616

DOCDB simple family (application)  
**US 4038798 A 19980318**; AT 98119799 T 19981023; CA 2237500 A 19980513; DE 19754658 A 19971209; DE 59808891 T 19981023; EP 98119799 A 19981023; ES 98119799 T 19981023