

Title (en)
Door opener

Title (de)
Türöffner

Title (fr)
Dispositif d'ouverture de porte

Publication
EP 0922821 B1 20030702 (DE)

Application
EP 98119799 A 19981023

Priority
DE 19754658 A 19971209

Abstract (en)
[origin: US5924750A] A door opener which can be used for closed-circuit current operation as well as for working current operation, includes a door latch and a trimmer which can be moved for blocking and releasing the door latch, an armature which can be displaced for blocking or releasing the trimmer, an electromagnet for displacing the armature, whereby the armature can be moved between three consecutive armature positions, namely a first armature position, a second armature position, and a third armature position. The armature positions alternately provide a locking and releasing of the door latch. The door opener also includes a stop element, which can be displaced for delimiting the displacement path of the armature between a first stop position and a second stop position such that the first or third armature position is blocked.

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)

Cited by
ES2424824R1; EP1008712A1; DE19856624C2; EP2312094A2; DE102009049968A1

Designated contracting state (EPC)
AT CH DE ES FR GB IT LI NL 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