

Title (en)
Electronic key

Title (de)
Elektronischer Schlüssel

Title (fr)
Clé électronique

Publication
EP 0778384 B1 20031119 (EN)

Application
EP 96308615 A 19961128

Priority
• JP 31837595 A 19951206
• JP 26754796 A 19961008

Abstract (en)
[origin: EP0778384A2] A lock mechanism 1 is composed of a locking lever 112, a support pin 204, a spring 203, and a slide button 111. A locking part 2 is composed of an actuator 201 and a stopper 202. A power source part 3 is composed of an electric cell 131 and a cell holder 132. At least two components out of the three components which are the lock mechanism 1, the locking part 2, and the power source part 3 are arranged at positions where they do not overlap each other. By adopting a configuration where a key switch 4 for inputting a code number and the like sectionally overlaps at least one component out of the lock mechanism 1, the locking part 2, and the power source part 3, it is possible to implement a small-sized and thin-type electronic key which can be easily locked and unlocked and can make its electric cell longer in life even in case of keeping the electronic key in either of a locked state or an unlocked state for a long time. <IMAGE>

IPC 1-7
E05B 49/00; **E05B 47/00**

IPC 8 full level
E05B 47/00 (2006.01); **E05B 49/00** (2006.01); **E05B 65/52** (2006.01); **G07C 9/00** (2006.01)

CPC (source: EP)
E05B 47/0012 (2013.01); **G07C 9/0069** (2013.01); **E05B 2047/0017** (2013.01); **E05B 2047/002** (2013.01); **E05B 2047/0024** (2013.01); **E05B 2047/0025** (2013.01); **E05B 2047/0034** (2013.01); **E05B 2047/0079** (2013.01)

Cited by
DE29803845U1; CN102900281A; CN112227841A

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0778384 A2 19970611; **EP 0778384 A3 20000726**; **EP 0778384 B1 20031119**; DE 69630765 D1 20031224; DE 69630765 T2 20040415; JP H09217528 A 19970819

DOCDB simple family (application)
EP 96308615 A 19961128; DE 69630765 T 19961128; JP 26754796 A 19961008