

Title (en)

Door locking device

Title (de)

Kraftfahrzeugtürverschluss

Title (fr)

Dispositif de verrouillage pour véhicule automobile

Publication

EP 1498561 A3 20071205 (DE)

Application

EP 04015055 A 20040626

Priority

DE 10332446 A 20030717

Abstract (en)

[origin: EP1498561A2] An electric motor (3) drives a worm gear (4) and gear wheel (5) to rotate the gears (6,7,8,9) and cam (10) to normally release the door lock when the internal gear (9) is held (13) to rotate. In emergency operation the internal gear is freed and the spring clutch (11) releases the lock.

IPC 8 full level

E05B 65/12 (2006.01); **E05B 47/00** (2006.01); **E05B 65/36** (2006.01); **E05B 77/54** (2014.01); **F16H 3/44** (2006.01); **E05B 53/00** (2006.01)

CPC (source: EP)

E05B 81/14 (2013.01); **E05B 47/0012** (2013.01); **E05B 53/008** (2013.01); **E05B 2047/0022** (2013.01); **E05B 2047/0024** (2013.01); **E05B 2047/003** (2013.01); **E05B 2047/0031** (2013.01)

Citation (search report)

- [PX] DE 10258391 A1 20040624 - KIEKERT AG [DE]
- [EL] DE 10327450 A1 20050105 - KIEKERT AG [DE]
- [EL] DE 10328475 A1 20050113 - KIEKERT AG [DE]
- [A] US 4796932 A 19890110 - TAME OMAR D [US]
- [A] EP 1048808 A1 20001102 - BOSCH GMBH ROBERT [DE]
- [A] DE 19937943 A1 20010301 - BOSCH GMBH ROBERT [DE]

Cited by

DE102014119382A1; DE102014223718A1; CN110029879A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

EP 1498561 A2 20050119; **EP 1498561 A3 20071205**; **EP 1498561 B1 20100811**; DE 10332446 A1 20050210; DE 502004011502 D1 20100923

DOCDB simple family (application)

EP 04015055 A 20040626; DE 10332446 A 20030717; DE 502004011502 T 20040626