

Title (en)
Electric lock

Title (de)
Elektrisches Schloss

Title (fr)
Verrou électrique

Publication
EP 2083137 A1 20090729 (EN)

Application
EP 08250328 A 20080128

Priority
EP 08250328 A 20080128

Abstract (en)
An electric lock includes a manual operation mechanism (5) and an electric control mechanism (6). The manual operation mechanism (5) includes a rotary knob unit (50), a first attracting member (54) mounted fixedly to the rotary knob unit (50), a key-operated lockset (55), and a lock-connecting rod (52) connected to and rotatable by the rotary knob unit (50) and the key-operated lockset (55). The electronic control mechanism (6) includes a power source unit (61), a clutch gear (64) driven by the power source unit (61) to rotate in two directions, and a second attracting member (65) mounted fixedly to the clutch gear (64). When the clutch gear (64) is driven by the power source unit (61) to rotate to align the first and second attracting members (54, 65) with each other, a magnetic attraction force is generated between the first and second attracting members (54, 65) to allow for co-rotation of the rotary knob unit (50) with the clutch gear (64).

IPC 8 full level
E05B 47/00 (2006.01); **E05B 47/06** (2006.01)

CPC (source: EP)
E05B 13/101 (2013.01); **E05B 47/068** (2013.01); **E05B 47/0012** (2013.01); **E05B 47/0038** (2013.01); **E05B 2047/002** (2013.01); **E05B 2047/0026** (2013.01); **E05B 2047/0094** (2013.01)

Citation (applicant)
US 2007169525 A1 20070726 - CHANG JING-CHEN [TW]

Citation (search report)
• [DA] US 2007169525 A1 20070726 - CHANG JING-CHEN [TW]
• [A] US 2004177660 A1 20040916 - TSAI HUNG-CHENG [TW]
• [A] EP 0140028 A2 19850508 - MEISTER KLAUS [DE], et al

Cited by
EP2466043A1; ITM20102326A1; EP2302149A1; US2021332610A1; US11555333B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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