

Title (en)
Electric strike

Title (de)
Elektrisches Schliessblech

Title (fr)
Gâche électrique

Publication
EP 1788169 B1 20100421 (EN)

Application
EP 05110894 A 20051117

Priority
EP 05110894 A 20051117

Abstract (en)
[origin: EP1788169A1] The electric strike comprises a pivotable keeper (15) having a flap portion (19) arranged to co-operate with a latch bolt, a spring (20) for urging the keeper to its door-locking position, two pivotable lock levers (21, 22) for locking the keeper (15) in its door-locking position, and means for actuating the lock levers (21, 22) comprising springs (33, 34) exerting a force onto the lock levers (21, 22) to urge them to their locking or unlocking positions and two electromagnets (35, 36) arranged to exert by magnetic attraction a counter force onto the lock levers (21, 22) to move them to their opposite positions. To enable a compact and reliable construction notwithstanding the use of electromagnets having a fixed core, the hook-shaped ends of the lock levers (21, 22) are arranged to move up and down and to engage the flap portion of the keeper. The lock levers (21, 22) are further provided with first cam elements (37, 38) and the flap portion (19) second cam elements (39, 40) arranged to co-operate with the first cam elements to move the lock levers (21, 22) to their unlocking positions upon return of the keeper (15) to its door-locking position.

IPC 8 full level
E05B 47/00 (2006.01)

CPC (source: EP)
E05B 47/0047 (2013.01)

Cited by
EP3421693A1; US11214984B2; EP3421697A1; US11220846B2; US2023407676A1; AU2011226779B2; US12031355B2; US2024318466A1; KR101030373B1; EP3611316A1; CN110821288A; US2022290465A1; US11629527B2; EP3421698A1; ES2734924A1; AU2018204342B2; FR2973425A1; EP3421696A1; CN111648678A; US11339586B2; EP3109381A1; WO2016060603A1; US11965358B2; US12008851B2; EP2994585B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1788169 A1 20070523; EP 1788169 B1 20100421; AT E465314 T1 20100515; DE 602005020810 D1 20100602; DK 1788169 T3 20100726; ES 2344506 T3 20100830; PL 1788169 T3 20100930; PT 1788169 E 20100715

DOCDB simple family (application)
EP 05110894 A 20051117; AT 05110894 T 20051117; DE 602005020810 T 20051117; DK 05110894 T 20051117; ES 05110894 T 20051117; PL 05110894 T 20051117; PT 05110894 T 20051117