CPC COOPERATIVE PATENT CLASSIFICATION

E FIXED CONSTRUCTIONS

BUILDING

E05 LOCKS; KEYS; WINDOW OR DOOR FITTINGS; SAFES

E05B LOCKS; ACCESSORIES THEREFOR; HANDCUFFS

NOTES
1. Operating or controlling of locks for vehicle wings are classified in groups E05B 77/00-E05B 81/00.
2. Knobs, handles or press buttons for locks of vehicle wings are classified in E05B 79/00-E05B 85/00.
3. {In this subclass, it is desirable to add the indexing code(s) of E05Y.}

WARNING
The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

- E05B 1/02 covered by E05B 1/00
- E05B 5/02 covered by E05B 5/003
- E05B 5/04 covered by E05B 5/003
- E05B 9/06 covered by E05B 9/00 - E05B 9/048
- E05B 13/02 covered by E05B 11/00, E05B 15/08 and E05B 17/14
- E05B 13/06 covered by E05B 11/00, E05B 15/08 and E05B 17/14
- E05B 13/08 covered by E05B 13/00
- E05B 15/12 covered by E05B 17/2007
- E05B 17/02 covered by E05C 7/02
- E05B 19/02 covered by E05B 19/00
- E05B 19/06 covered by E05B 19/00
- E05B 19/08 covered by E05B 19/0017, E05B 19/14, E05B 35/003 and E05B 35/14
- E05B 19/10 covered by E05B 19/04
- E05B 19/12 covered by E05B 35/003
- E05B 19/16 covered by E05B 35/007, E05B 27/0028 and E05B 29/0006
- E05B 21/00- covered by E05B 21/00
- E05B 21/04 covered by E05B 21/00
- E05B 25/00-E05B 25/10 covered by E05B 21/00 and E05B 23/00
- E05B 27/04-E05B 27/06 covered by E05B 27/0003 - E05B 27/0096
- E05B 29/02-E05B 29/14 covered by E05B 29/0006 - E05B 29/0093
- E05B 35/04 covered by E05B 35/00
- E05B 37/06 covered by E05B 37/04 and E05B 67/00
- E05B 37/18 covered by E05B 37/16 and E05B 67/00
- E05B 37/22 covered by E05B 37/20 and E05B 67/00
- E05B 45/14 covered by E05B 45/06
- E05B 47/04 covered by E05B 47/02
- E05B 47/08 covered by E05B 47/06 and E05B 15/101
- E05B 49/02-E05B 49/04 covered by G07C 9/00
- E05B 55/02 covered by E05B 55/00
- E05B 55/04 covered by E05B 55/00 and E05B 13/00
- E05B 55/08 covered by E05B 55/00
- E05B 55/10 covered by E05B 55/00
- E05B 55/14-E05B 55/16 covered by E05B 55/00
- E05B 59/02 - E05B 59/04 covered by E05B 59/00
- E05B 59/06 covered by E05B 15/102
- E05B 65/04 covered by E05C 7/02
- E05B 67/12 covered by E05B 67/10
- E05B 67/16 covered by E05B 67/14
- E05B 67/20 covered by E05B 67/18
- E05B 67/30 covered by E05B 67/28
- E05B 67/34 covered by E05B 67/32
E05B
(continued)
E05B 71/02
covered by
E05B 71/00 and E05B 37/00

Parts of locks or the like mountable on or in wings

1/00  Knobs or handles for wings; Knobs, handles, or press buttons for locks or latches on wings (E05B 500, E05B 7/00 take precedence)
   1/0007  [Knobs (E05B 1/0015, E05B 1/0053, E05B 1/0061, E05B 1/0069 take precedence)]
   1/0015  [Knobs or handles which do not operate the bolt or lock, e.g. non-movable; Mounting thereof]
2001/0023  [being movable into a non-operating position, e.g. foldable towards the mounting plane]
   1/003  [Handles pivoted about an axis perpendicular to the wing (E05B 3/00, E05B 5/00, E05B 13/106 take precedence)]
   1/0038  [Sliding handles, e.g. push buttons (E05B 13/105 takes precedence)]
   1/0046  [sliding parallel to the plane of the wing]
   1/0053  [Handles or handle attachments facilitating operation, e.g. by children or burdened persons (foot-operation E05B 53/001)]
   1/0061  [Knobs or handles with protective cover, buffer or shock absorber]
   1/0069  [Sanitary doorknobs or handles, e.g. comprising a disinfectant]
2001/0076  [The handle having at least two operating positions, e.g. the bolt can be retracted by moving the handle either upwards or downwards]
   1/0084  [Handles or knobs with displays, signs, labels, pictures, or the like (displays on locks E05B 17/226 displays on keys E05B 19/0088)]
   1/0092  [Moving otherwise than only rectilinearly or only rotatively (E05B 5/003 takes precedence)]
   1/04  with inner rigid member and outer cover or covers
   1/06  of sheet material

3/00  Fastening (knobs or) handles to lock or latch parts (E05B 79/06 takes precedence)
   3/003  [Fastening knobs or handles to hollow cylindrical spindles, e.g. of tubular locks]
2003/006  [Fastening knobs or handles to the spindle by means of tilt-plates]
   3/02  Fastening (knobs or) handles to the spindle by pinning or riveting (E05B 3/10 takes precedence)
   3/04  Fastening (the knob or) the handle shank to the spindle by screws, springs or snap bolts (E05B 3/10 takes precedence)
   3/06  by means arranged in or on the rose (or escutcheon)
   3/065  [with spring biasing means for moving the handle over a substantial distance, e.g. to its horizontal position]
   3/08  Fastening the spindle to the follower
   3/10  by a bipartite or cleft spindle in the follower or in the handle shank

5/00  Handles completely let into the surface of the wing (E05B 85/10 takes precedence)
   5/003  [Pop-out handles, e.g. sliding outwardly before rotation]
   5/006  (essentially defining a completely closed surface together with the wing)

7/00  Handles pivoted about an axis parallel to the wing (E05B 5/00, E05B 85/14 take precedence; (combined with bolt movement E05C 1/00, E05C 3/001))
   9/00  Lock casings or latch-mechanism casings [; Fastening locks or fasteners or parts thereof to the wing] (padlock casings E05B 67/02; for vehicles E05B 79/04, E05B 85/02)
   9/002  [Faceplates or front plates (E05C 9/004 takes precedence)]
   2009/004  [Shape of the lock housing]
   2009/006  [S (circular)]
   2009/008  (circle segment)
   9/02  [Casings of latch-bolt (or deadbolt) locks]
   9/04  [Casings of cylinder locks (details specific for pin or ball tumbler cylinder locks E05B 27/0014; details specific for plate tumbler cylinder locks E05B 29/00)]
   9/041  [Double cylinder locks (E05B 9/045, E05B 9/048 take precedence)]
   9/042  [. Stators consisting of multiple parts being assembled together (E05B 9/045 takes precedence)]
   2009/0043  [. whereby the casing contains an inner and outer rotor which are simultaneously operated by a long key]
   9/045  [Modular casings for adjusting the length of cylinder locks]
   2009/0046  [Cylinder locks operated by knobs or handles]
   2009/0047  [Means for returning cylinder locks to their neutral position]
   9/048  [. Stator reinforcements (for drill protection E05B 15/1614)]
   9/08  Fastening (locks or fasteners or parts thereof, e.g.) the casings of latch-bolt locks or cylinder locks to the wing (on glass wings E05B 65/0025)
   9/082  [with concealed screws]
   9/084  [Fastening of lock cylinders, plugs or cores]
   9/086  [. Fastening of rotors, plugs or cores to an outer stator]
   9/088  [. Means for preventing loss of tumblers during mounting or removal]
   9/10  Coupling devices for the two halves of double cylinder locks, e.g. devices for coupling the rotor with the locking cam (E05B 47/0611 takes precedence)
   9/105  [. (including disengagement means, e.g. opening from one side being still possible even if the key is inserted from the other side)]

11/00  Devices preventing keys from being removed from the lock [; Devices preventing falling or pushing out of keys (preventing turning of the key E05B 13/00; keyhole guards E05B 17/14; E05B 35/086 takes precedence)]
   11/005  [by key modifications or attachments, e.g. eccentric centre of gravity]
   11/02  before the wing is locked
   11/04  before the wing is closed
   11/06  for catching skeleton or incorrect keys
13/00 Devices preventing the key or the handle or both from being used \{covers or guards for keyholes\ E05B 17/114\}

13/001 \{Covers preventing access to handles or keys\}
13/002 \{locking the handle\ E05B 13/10, E05B 47/0657 take precedence\}

13/004 \{by locking the spindle, follower, or the like\}
13/005 \{Disconnecting the handle\ E05B 13/101, E05B 47/0676, E05B 55/06 take precedence\}

13/007 \{Handles which are locked or blocked in the open position\}
13/008 \{A single handle being used for actuation of several wings, e.g. simultaneously\}

13/04 shaped as fork-like implements grasping and fixing the key \{or a handle, e.g. a thumb-turn\}

13/10 formed by a lock arranged in the handle
13/101 \{for disconnecting the handle\ E05B 13/103, E05B 13/105 take precedence\}
13/103 \{Combination lock\}
13/105 \{the handle being a pushbutton\ E05B 13/103 takes precedence\}
13/106 \{for handles pivoted about an axis perpendicular to the wing\ E05B 13/101, E05B 13/103, E05B 13/105 take precedence\}
13/108 \{the lock coaxial with spindle\}

15/00 Other details of locks; Parts for engagement by bolts of fastening devices
15/0006 \{Devices for aligning wing and frame; Anti-rattling devices for vehicle doors E05B 83/367\}
15/0013 \{Followers; Bearings therefor\}
15/002 \{Energy storage by movement of wing\}
15/0026 \{Adaptors cooperating with and acting on keys inserted in an existing lock, e.g. for transformation of a key actuated lock to handle actuation\}
15/0033 \{Spindles for handles, e.g. square spindles\}
15/004 \{Lost motion connections\}
15/0046 \{Ratchet mechanisms\}
15/0053 \{means providing a stable, i.e. indexed, position of lock parts\}
15/006 \{Spring-biased ball or roller entering a notch\}

2015/0066 axially operated
15/0073 \{magnetically operated\}
15/008 \{friction type\}
15/0086 \{Toggle levers (toggle fasteners E05C 19/14)\}
15/0093 \{Weight arrangements in locks; gravity activated lock parts\ E05B 65/5292, E05B 77/06 take precedence\}

15/02 Striking-plates; Keepers; Bolt staples; Escutcheons \{keyhole finders E05B 15/08; escutcheons made of hard materials E05B 15/1614; finger-plates E06B 7/235\}
15/0205 \{Striking-plates, keepers, staples\ (means for reducing friction E05B 17/007; electric strikers E05B 47/0046; staples for padlocks E05B 67/383; strikers for espagnolettes E05C 9/1808)\}

15/021 \{Strikers having multiple positions for the bolt\}
15/0215 \{Screw-type\}
15/022 \{movable, resilient or yieldable \{adjustable into different discrete positions E05B 15/024; yieldable striker for emergency opening E05B 65/1026\}\}
15/0225 \{Resilient block type, e.g. made from rubber\}
15/025 \{Movable elements held by friction, cooperating teeth, or the like\}
15/025 \{the striker being movable by a screw/nut\}
15/0255 \{Deformable element\}
15/026 \{using eccentrics\}
15/0265 \{pivoting or tilting\}
15/027 \{auto-adjustable\}
15/0275 \{in two directions\}
15/028 \{in three directions\}
15/0285 \{Portable striker\}
15/029 \{Closures, e.g. preventing dirt or paint from entering into the striker\}
15/0295 \{specially adapted for forked or bifurcated bolts (for vehicles E05B 85/045)\}

15/04 Spring arrangements in locks \{E05B 3/065, E05B 15/101, E05B 15/143, E05C 19/06 take precedence\}
15/0403 \{Wound springs\}
15/0406 \{wound in a cylindrical shape\}
15/041 \{loaded perpendicular to cylinder axis\}
15/0413 \{loaded by compression\}
15/0417 \{loaded by traction\}
15/042 \{wound in a plane, e.g. spirally\}
15/0424 \{of conical shape\}
15/0427 \{curved, e.g. toroidal\}
15/0431 \{Modifying spring characteristic or tension (E05B 2015/0441 takes precedence)\}
15/0434 \{Automatically\}
15/0437 \{Attachments or mountings; Mounting of springs\}
15/0441 \{Tensioning after mounting\}
15/0444 \{Springs additionally fulfilling an electric function\}
15/0448 \{Units of springs; Two or more springs working together\}
15/0451 \{Folded springs\}
15/0455 \{Torsion springs of bar type\}
15/0458 \{Leaf springs; Non-wound wire springs\}
15/0462 \{Ring springs\}
15/0465 \{Cup- or dished-disc springs\}
15/0468 \{made of one piece with a lock part\}
15/0472 \{Made of rubber, plastics or the like\}
15/0475 \{of block type\}
15/0479 \{of elastic string type\}
15/0482 \{Heavy springs which cannot be operated by hand\}
15/0486 \{A single spring working on more than one element\}
15/0489 \{on more than one tumbler\}
15/0493 \{Overcenter springs\}
15/0496 \{Springs actuated by cams or the like\}
15/06 Lock wards
15/08 \{Key guides; Key pins\ (Keyholes; Keyhole finders E05B 17/10 takes precedence)\}
15/10 \{Bolts of locks or night latches \{made of hard materials, e.g. to prevent sawing E05B 15/1614; lengthwise adjustable E05B 63/06\}\}
15/101 \{Spring-retracted bolts\}
15/102 \{Bolts having movable elements\ (E05B 23/00 takes precedence)\}

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Parts of locks or the like mountable on or in wings

17/00

Accessories in connection with locks (buffers E05F 5/00; means for preventing rattling of wings E05F 7/04; means for taking the weight of the wing E05F 7/06)

17/0004  . [Lock assembling or manufacturing (making locksmith's goods of sheet metal B21D 53/38; assembling in general B23P 21/00) ; Locksmith's goods of sheet metal B21D 53/38; Locks assembling or manufacturing (making locksmith's goods of sheet metal B21D 53/38; assembling in general B23P 21/00)]

17/0008  . [Lock parts made by extrusion process]

17/0012  . [for lock parts held in place before or during mounting on the wing]

17/0016  . [Defrosting, e.g. heating devices]

17/002  . [Weather or dirt protection (E05B 15/029, E05B 17/14 take precedence; for vehicle locks E05B 77/34)]

17/0025  . [Devices for forcing the wing firmly against its seat or to initiate the opening of the wing (E05B 15/022, E05B 65/0817, E05B 81/20, E05C 19/14 take precedence)]

17/0029  . [motor-operated (for vehicles E05B 81/20)]

17/0033  . [for opening only (E05B 17/0029 takes precedence)]

17/0037  . [Spring-operated]

17/0041  . [Damping means (for vehicles E05B 77/42; time locks with retarders E05B 43/00)]

17/0045  . [Silencing devices; Noise reduction (resilient strikers E05B 15/022; for vehicles E05B 77/36)]

17/005  . [Preventing accidental lock-out, e.g. by obstruction in the striker (securing the bolt in the retracted position E05B 63/18; stops and buffers preventing the slamming of wings E05F 5/02)]

17/0054  . [Fraction or shear lines; Slip-clutches, resilient parts or the like for preventing damage when forced or slammed]

17/0058  . [with non-destructive disengagement (E05B 17/045 takes precedence)]

17/0062  . [with destructive disengagement]

17/0066  . [Handles with destructible elements]

17/007  . [Devices for reducing friction between lock parts (E05B 17/08 takes precedence)]

17/0075  . [Insulating, e.g. for limiting heat transfer; Increasing fire-resistance of locks]

17/0079  . [Locks with audio features (E05B 45/00 takes precedence)]

17/0083  . [Sound emitting devices, e.g. loudspeakers]

17/0087  . [Sound receiving devices, e.g. microphones]

17/0091  . [including protruding or recessed symbols in a surface for tactile indication/information, e.g. Braille symbols]

17/0095  . [Means preventing wrong operation, e.g. preventing damaging contact between extended bolt and striker or bolt and frame (retaining the bolt in the retracted position E05B 63/18)]

17/04  . [Devices for coupling the turning cylinder of a single or a double cylinder lock with the bolt operating member]

17/041  . [Coupling device with a shaft projecting axially rearwards from the cylinder, e.g. affording a degree of universal motion to compensate for misalignment]

17/042  . [using toothed wheels or geared sectors (E05C 9/023, E05C 9/041 take precedence)]

17/043  . [Planetary gear]

17/044  . [Clutches, disengageable couplings]

17/045  . [for keeping the rotor disconnected from the bolt actuating member, when being turned, e.g. forcefully, without the proper key]

17/046  . [disengaged manually from inside]

17/047  . [with rotating output elements forming part of cylinder locks, e.g. locking cams of double cylinder locks]

17/048  . [with sliding output elements forming part of cylinder locks, e.g. in the form of pins or cams]

17/049  . [sliding essentially in the axial direction of the cylinder lock]

17/06  . [Templates for marking the position of apertures in fittings of wings (or frames; Apparatus for installation of a lockset (drill jigs B23B 47/28; mortised work B27F 5/12; templates for hinges E05D 11/0009)]

17/08  . [Lubricating devices]

17/10  . [Illuminating devices on or for locks or keys; (Transparent or translucent lock parts; Indicator lights)]

17/103  . [on keys (E05B 17/106 takes precedence; attached to key rings A44B 15/005; on key bags or wallets A45C 11/32)]

17/106  . [fluorescent]

17/12  . [Devices for removing keys stuck in the lock]

17/14  . [Closures or guards for keyholes (for vehicle ignition or steering lock B66R 25/023)]

17/142  . [with key-operated locks, e.g. padlocks]

17/145  . [with combination lock]

17/147  . [electrically-operated]
Parts of locks or the like mountable on or in wings

17/16 . . . shaped as pins or key bits ((E05B 17/145 takes precedence))
17/18 . . . shaped as lugs or slides ((E05B 17/142, E05B 17/145, E05B 17/147 take precedence))
17/181 . . . pivoting inwardly
17/183 . . . pivoting outwardly
17/185 . . . pivoting about an axis perpendicular to the lock face
17/186 . . . (sliding)
17/188 . . . (flexible)
17/20 . Means independent of the locking mechanism for preventing unauthorised opening, e.g. for securing the bolt in the fastening position ((locks with means carried by the bolt for interlocking with the keeper E05B 63/12))
17/2003 . . . (Preventing opening by insertion of a tool, e.g. flexible, between door and jamb to withdraw the bolt)
17/2007 . . . (Securing, deadlocking or "dogging" the bolt in the fastening position (E05B 15/0046, E05B 15/0086, E05B 67/383 take precedence))
17/2011 . . . (using balls or the like cooperating with notches (E05B 63/12) takes precedence)
17/2015 . . . (with wedging action)
17/2019 . . . (elastic, i.e. the dog or detent being formed or carried by a spring)
17/2023 . . . (Loose pins, screws, or the like; Portable devices)
17/2026 . . . (automatic, i.e. actuated by a closed door position sensor)
17/203 . . . (not following the movement of the bolt)
17/2034 . . . (moving pivotally or rotatively)
17/2038 . . . (moving rectilinearly)
17/2042 . . . (moving otherwise than only rectilinearly and only pivotally or rotatively)
17/2046 . . . (performing both movements simultaneously, e.g. screwing)
17/2049 . . . (following the movement of the bolt)
17/2053 . . . (moving pivotally or rotatively relating to the bolt)
17/2057 . . . (moving rectilinearly relating to the bolt)
17/2061 . . . (moving otherwise than only rectilinearly and only pivotally or rotatively relating to the bolt)
17/2065 . . . (performing both movements simultaneously, e.g. screwing)
17/2069 . . . (by means of an additional dogging movement of a sliding bolt)
17/2073 . . . (pivottally or rotatively)
17/2076 . . . (about an axis parallel to its sliding movement)
17/208 . . . (by means of an additional dogging movement of a rotary bolt)
17/2084 . . . (Means to prevent forced opening by attack, tampering or jimmying (E05B 15/1614 takes precedence; for ignition or steering locks B60R 25/023))
17/2088 . . . (Means to prevent disengagement of lock and keeper (E05B 63/12 takes precedence))
17/2092 . . . (Means responsive to tampering or attack providing additional locking (for safes E05B 65/0082))
2017/2096 . . . (Preventing tampering by removal of lock parts which are vital for the function)
17/22 . . . Means for operating or controlling lock or fastening device accessories, i.e. other than the fastening members, e.g. switches, indicators (E05B 39/00 - E05B 45/00 take precedence)
17/223 . . . (preventing lock actuation after detection of drug use, e.g. alcohol consumption)
17/226 . . . (Displays on locks, e.g. LED or LCD screens (on handles E05B 1/0084; on keys E05B 19/0088))
19/00 Keys; Accessories therefor ((key modifications or attachments preventing removal from the lock E05B 11/005; key rings A44B 15/00; key cases A45C 11/32; key holders A47G 29/10:) making keys, see the relevant places, e.g. B21D 53/42; milling grooves in keys B23C 3/35)
19/0005 . . . (Key safes (E05B 35/086 takes precedence))
19/0011 . . . (Key decoders (general measuring of contours and curved G01B 3/14, G01B 5/20, G01B 7/28))
19/0017 . . . (Key profiles)
19/0023 . . . (characterized by variation of the contact surface between the key and the tumbler pins or plates)
19/0029 . . . (characterized by varying cross-sections of different keys within a lock system (cross-sections of single keys E05B 19/0041))
19/0035 . . . (characterized by longitudinal bit variations)
19/0041 . . . (characterized by the cross-section of the key blade in a plane perpendicular to the longitudinal axis of the key)
19/0047 . . . (with substantially circular or star-shape cross-section)
19/0052 . . . (Rectangular flat keys)
19/0058 . . . (with key bits on at least one wide side surface of the key)
19/0064 . . . (and with additional key bits on at least one narrow side edge of the key)
19/007 . . . (with U- or V-shaped cross-section)
19/0076 . . . (Keys with a curved longitudinal axis)
19/0082 . . . (Keys or shanks being removably stored in a larger object, e.g. a remote control or a key fob (general constructional details of electronic keys G07C 9/0044))
19/0088 . . . (Displays on keys, e.g. LED or LCD screens)
19/0094 . . . (protruding elements on the key preventing unauthorized insertion into the keyhole)
19/04 . . . (Construction of the bow [or head] of the key; Attaching the bow to the shank)
19/043 . . . (the shank being pivotally mounted on the bow, e.g. for storage)
19/046 . . . (the shank being slidingly mounted on the bow, e.g. for storage)
19/14 . . . (Double [or multiple] keys, e.g. with two or more bows or bits (see also E05B 35/14))
19/18 . . . (Keys adjustable before use)
19/20 . . . (Skeleton keys; Devices for picking locks; Other devices for similar purposes; Means to open locks not otherwise provided for, e.g. lock pullers (forcing doors open A62B 3/005))
19/205 . . . (Lock decoders)
19/22 . . . (Keys with devices for indicating whether the last operation was locking or unlocking)
19/24 . . . (Key distinguishing marks {(fluorescent E05B 17/106})
19/26 . . . (Use of special materials for keys {(fluorescent E05B 17/106; magnets E05B 47/0038})
Cylinder locks with both tumbler pins or balls and plate tumblers

Cylinder locks in which the bolt is moved by means other than the key

Locks for use with special keys or a plurality of keys E05B 35/001

[with key identifying function]

[for flexible keys]

[for keys with movable bits (keys adjustable before use E05B 19/18)]

[pivoting about an axis parallel to the main key axis]

[pivoting about an axis perpendicular to the main key axis]
Locks with rotary keys moving lamelliform tublers perpendicular to the key

35/006 . . . [for rack- or pinion-like keys]
35/007 . . . [the key being a card, e.g., perforated, or the like (E05B 47/0045 takes precedence)]
35/008 . . . [for simple tool-like keys]
2035/009  . [Locks where a characteristic part of the user's body is used as a key (control of electronic locks by characteristics of body parts G07C 9/00563)]
35/02 . . . which can be shifted laterally (or rotated about an axis perpendicular to the key axis)
35/06 . . . for screw keys
35/08 . . . operable by a plurality of keys
35/083 . . . [with changeable combination (E05B 35/125 takes precedence; for cylinder locks E05B 27/005, E05B 29/004)]
35/086 . . . [using a pair of interlocked keys, one of the keys being non-removable; key-storring devices from which only one key can be removed at a time]
35/10 . . . with master and pass keys ([for cylinder locks E05B 27/0053])
35/105 . . . [Locks allowing opening by official authorities, e.g. master key opening of luggage locks by customs officials]
35/12 . . . requiring the use of two keys, e.g. safe-deposit locks (locks with key-operated keyhole cover E05B 17/142)
35/125 . . . [with changeable combination]
35/14 . . . with keys of which different parts operate separate mechanisms (E05B 35/003 takes precedence)
37/00  Permutation [or combination] locks ([handles with combination locks E05B 13/103; keyhole guards with combination locks E05B 17/145; electric permutation locks E05B 49/00]; Puzzle locks
37/0003 . . . [preventing detection of the combination]
37/0006 . . . [by avoiding unauthorized viewing of the combination]
37/001 . . . [through listening or feeling]
37/0013 . . . [by producing noise]
37/0017 . . . [by producing false clicks; by use of false gates]
37/002 . . . [Speed sensors]
37/0024 . . . [limited number of tries]
37/0027 . . . [X-ray protection]
37/0031 . . . [Locks with both permutation and key actuation (E05B 17/145 takes precedence)]
37/0034 . . . [actuated by either]
37/0037 . . . [with a key requiring successive operations, e.g. different mechanisms in a predetermined order (E05B 35/003 takes precedence)]
37/0041 . . . [Key actuation allowing recovery of a lost/ forgotten combination]
37/0044 . . . [with telephone-type dial]
37/0048 . . . [with changeable combination]
37/0051 . . . [by moving pins to another hole]
37/0055 . . . [by radial disengagement between hub and rim of tumbler discs or rings]
37/0058 . . . [by axial disengagement between hub and rim of tumbler discs or rings]
37/0062 . . . [Operation by feeling, e.g. in darkness using Braille signs]
37/0065 . . . [Master combination]
37/0068 . . . [in padlocks (E05B 37/025, E05B 37/10 and E05B 37/14 take precedence)]
37/0072 . . . [Sign-, picture- or letter-based permutations]
37/0075 . . . [Automatic scrambling]
37/0079 . . . [when unlocking]
37/0082 . . . [when locking]
37/0086 . . . [when the wing is opened]
37/0089 . . . [when the wing is closed]
37/0093 . . . [Obligatory manual scrambling]
37/0096 . . . [with tumbler discs arranged on concentric axes, each axis being operated by a different rotating knob]
37/02 . . . with tumbler discs or rings arranged on a single axis, each disc being adjustable independently of the others
37/025 . . . [in padlocks]
37/04 . . . with tumbler discs on a single axis, all the discs being adjustable by rotating a shiftable knob
37/08 . . . with tumbler discs on a single axis, all the discs being adjustable by a rotary knob which is not shifted (for adjusting the discs (E05B 37/0044 takes precedence)]
37/10 . . . [in padlocks]
37/12 . . . [with tumbler discs on several axes]
37/14 . . . [in padlocks]
37/16 . . . [with two or more push or pull knobs, slides, or the like (E05B 65/461 takes precedence)]
37/163 . . . [the knobs being pushed in a prescribed sequence]
37/166 . . . [each knob being pushed a predetermined number of times (E05B 37/163 takes precedence)]
37/20 . . . Puzzle locks [e.g. of labyrinth type; Fasteners with hidden or secret actuating mechanisms]

Locks with indicating or timing devices

39/00  Locks giving indication of [authorised] or unauthorised unlocking ([with key identification means E05B 35/001; alarm locks E05B 45/00])
39/0002 . . . [by releasing a liquid, e.g. ill-smelling or dye]
39/0005 . . . [Locks with means for tracking the location of locked items, e.g. freight containers]
39/0007 . . . [Indication by a tactile impulse to the user, e.g. vibration of a lock-, handle- or key-part]
39/001 . . . [with destructible seal closures or paper closures]
39/0025 . . . [with frangible glass or the like, e.g. for emergency exits]
39/04 . . . with counting or registering devices ([time recording locks G07C 1/32])
41/00  Locks with visible indication as to whether the lock is locked or unlocked ([indicator lights E05B 17/10])
43/00  Time locks
2043/002 . . . [using mechanical clocks]
43/0005 . . . [Timer devices controlling electrically operated locks]
2043/007 . . . [using hydraulic or pneumatic retarders]
45/00  Alarm locks
45/0005 . . . [Chain-locks, cable-locks or padlocks with alarms]
45/002 . . . [with mechanically-operated bells]
45/004 . . . [with detonating alarm devices ([detonating alarm devices in general G08B 3/14, G08B 13/06])]
45/06 . . . Electric alarm locks ([E05B 45/005 takes precedence])
45/0605 . . . [for preventing of leaving the key (key ejection E05B 63/003)]
Locks with indicating or timing devices

**E05B**

45/061 . . . (for combination locks)
45/0615 . . . (triggered by movement of the handle)
45/062 . . . [by traction on a chain]
45/0625 . . . [by pressure on a safety bar]
45/063 . . . [by movement of the wing]
45/0635 . . . [by rotation of key or rotor]
45/064 . . . [by movement of the lock housing or part thereof]
45/0645 . . . [by movement of the keyhole cover]
45/065 . . . [Switch or sensor type used in alarm locks]
45/0655 . . . [Photo-diodes]
45/066 . . . [Mercury switches]
45/0665 . . . [Magnetic switches, e.g. reed- or hall-switch]
45/067 . . . [Switches triggered by inertia]
45/0675 . . . [Foam or rubber element with contacts which close a circuit due to deformation of the element]
45/068 . . . [Piezo-electric sensors]
45/0685 . . . [Optical fibres for transmitting the sensor signal]
45/069 . . . [Timers therefor]
45/0695 . . . [Actuation of a lock triggering an alarm system, e.g. an alarm system of a building]
45/08 . . . with contact making inside the lock or in the striking plate
45/083 . . . [with contact making either in the striking plate or by movement of the bolt relative to the striking plate]
45/086 . . . [by transverse movement]
45/10 . . . by introducing the key [or another object]
45/12 . . . by movement of the bolt ([E05B 45/083 takes precedence])
45/125 . . . [by transverse movement]

**Operation or control of locks by non-mechanical means, e.g. from a distance (locking doors simultaneously in passenger vehicles E05B65/36; key switches H01H 27/00)**

47/00 Operating or controlling locks or other fastening devices by electric or magnetic means (electric permutation locks E05B 49/00)

47/0001 . . . [with electric actuators; Constructional features thereof (for vehicles E05B 81/04)]
47/0002 . . . [with electromagnets]
47/0003 . . . [having a movable core]
47/0004 . . . [said core being linearly movable]
47/0005 . . . [said core being rotary movable]
47/0006 . . . [having a non-movable core; with permanent magnet]
47/0007 . . . [with two or more electromagnets]
47/0008 . . . [having different functions]
47/0009 . . . [with thermo-electric actuators, e.g. heated bimetals]
47/0011 . . . [with piezo-electric actuators (piezo-electric devices per se H01L 41/00)]
47/0012 . . . [with rotary electromotors (actuators with rotary electromotors per se H02K 7/06, H02K 23/68)]
47/0013 . . . [more than one motor for the same function, e.g. for redundancy or increased power (electric spare devices E05B 2047/0087)]
47/0014 . . . [Constructional features of actuators or power transmissions therefor (for vehicles E05B 81/24)]
47/0015 . . . [Output elements of actuators]
47/0016 . . . [with linearly reciprocating motion]
Operation or control of locks by non-mechanical means, e.g. from a distance

2047/0065 . . [Savings, energy (E05B 2047/0053, E05B 2047/0074, E05B 2047/0077, E05B 2047/0079, E05B 2047/0081 take precedence)]

2047/0066 . . [Reduced holding current]

2047/0067 . . [Monitoring]

2047/0068 . . [Door closed]

2047/0069 . . [bolt position]

2047/0071 . . [Connecting lock parts by electronic communication means only, e.g. bus systems, time multiplexing]

2047/0072 . . [Operation]

2047/0073 . . [Current to unlock only]

2047/0074 . . [holding means other than current (mechanical, magnetic)]

2047/0075 . . [locked by gravity]

2047/0076 . . [Current to lock only, i.e. "fail-safe"]

2047/0077 . . [holding means other than current]

2047/0078 . . [unlocked by gravity]

2047/0079 . . [Bi-stable electromagnet(s), different pulse to lock or unlock]

2047/0081 . . [Same pulse to lock or unlock]

2047/0082 . . [Induction for charging or current transformation]

2047/0083 . . [Devices of electrically driving keys, e.g. to facilitate opening]

2047/0084 . . [Key or electric means; Emergency release]

2047/0085 . . [Key and electromagnet]

2047/0086 . . [Emergency release, e.g. key or electromagnet (E05B 63/0073 takes precedence)]

2047/0087 . . [Electric spare devices, e.g. auxiliary batteries or capacitors for back up]

2047/0088 . . [Key-operated switch]

2047/0089 . . [with electronic learning functions (electronic locks G07C 9/00)]

2047/0091 . . [Retrofittable electric locks, e.g. an electric module can be attached to an existing manual lock (electrically driven keys E05B 2047/0083)]

2047/0092 . . [including means for preventing manipulation by an external magnetic field, e.g. preventing opening by using a strong magnet]

2047/0093 . . [including means for preventing manipulation by external shocks, blows or the like]

2047/0094 . . [Mechanical aspects of remotely controlled locks (electronic locks G07C 9/00)]

2047/0095 . . [Mechanical aspects of locks controlled by telephone signals, e.g. by mobile phones (electronic locks G07C 9/00)]

2047/0096 . . [Mechanical aspects of locks whose actuation is dependent on geographical location, e.g. by means of a GPS system (electronic locks G07C 9/00)]

2047/0097 . . [including means for monitoring voltage, e.g. for indicating low battery state]

2047/0098 . . [Arrangements for grounding electrical locks or elements thereof, e.g. for avoiding shocks or failure due to static electricity]

47/02 . . [Movement of the bolt by electromagnetic means; Adaption of locks, latches, or parts thereof, for movement of the bolt by electromagnetic means (by means in the striker E05B 63/248)]

47/023 . . [the bolt moving pivotally or rotatively]

47/026 . . [the bolt moving rectilinearly]

47/06 . . [Controlling mechanically-operated bolts by electromagnetically-operated detents]

47/0603 . . [the detent moving rectilinearly]

47/0607 . . [the detent moving pivotally or rotatively]

47/0611 . . [Cylinder locks with electromagnetic control]

47/0615 . . [operated by handles, e.g. by knobs]

47/0619 . . [by blocking the rotor]

47/0623 . . [axially, i.e. with an axially engaging blocking element]

47/0626 . . [radially]

47/063 . . [with a rectilinearly moveable blocking element]

47/0634 . . [with a pivotally moveable blocking element]

47/0638 . . [by disconnecting the rotor]

47/0642 . . [axially, i.e. with an axially disengaging coupling element]

47/0646 . . [radially]

47/0649 . . [with a rectilinearly moveable coupling element]

47/0653 . . [with a pivotally moveable coupling element]

47/0657 . . [by locking the handle, spindle, follower or the like]

47/0661 . . [axially, i.e. with an axially engaging blocking element]

47/0665 . . [radially]

47/0669 . . [with a pivotally moveable blocking element]

47/0673 . . [with a rectilinearly moveable blocking element]

47/0676 . . [by disconnecting the handle]

47/068 . . [axially, i.e. with an axially disengaging coupling element]

47/0684 . . [radially]

47/0688 . . [with a pivotally moveable coupling element]

47/0692 . . [with a rectilinearly moveable coupling element]

47/0696 . . [locking the bolt by an electromagnet in the striker]

49/00 Electric permutation locks; Circuits therefor

49/002 . . [Keys with mechanical characteristics, e.g. notches, perforations, opaque marks]

49/004 . . [actuating mechanical switches]

49/006 . . [actuating opto-electronic devices]

49/008 . . [by alignment of movable perforated parts, e.g. perforated tumblers]

51/00 Operating or controlling locks or other fastening devices by other non-mechanical means

51/005 . . [by a bimetallic or memory-shape element (heated by electricity E05B 47/0009; for panic door actuation E05B 65/104)]

51/02 . . by pneumatic or hydraulic means

51/023 . . [actuated in response to external pressure, blast or explosion (E05B 65/102 takes precedence)]
Operation or control of locks by non-mechanical means, e.g. from a distance

53/00 Operation or control of locks by mechanical transmissions, e.g. from a distance

53/001 [Foot-operation]
53/003 [flexible]
53/005 [Bowden]
53/006 [of ball-train type]
53/008 [by planetary gears]

Locks with provision for latching (for passenger vehicle doors E05B65/20)

55/00 Locks in which a sliding latch is used also as a locking bolt
55/005 [Cylindrical or tubular locks]
55/06 the handle being disconnected [(E05B 13/101, E05B 47/0676 take precedence)]
55/12 the bolt being secured by the operation of a hidden parallel member {; Automatic latch bolt deadlocking mechanisms, e.g. using a trigger or a feeler}

57/00 Locks in which a pivoted latch is used also as locking means

59/00 Locks with latches separate from the lock-bolts or with a plurality of latches or lock-bolts

61/00 Other locks with provision for latching

Locks (or fastenings) with special structural characteristics or for special use

63/00 Locks (or fastenings) with special structural characteristics
63/0004 [Additional locks added to existing lock arrangements]
63/0008 [Mounted on the hinged side of the wing]
63/0013 [Locks with rotary bolt without provision for latching]
63/0017 [Locks with sliding bolt without provision for latching]
63/0021 [the bolt being shot over an increased length by a single turning operation of the key]

2063/0026 [Elongated, e.g. stud-like, striker entering into an opening in which movable detent means engage the elongated striker (stud-like keepers in general E05B 2015/0235)]
63/003 [with key ejection means]
63/0034 [Locks for use instead of cylinder locks, e.g. locks with cylinder lock profile and a low security operating mechanism]

2063/0039 [Ground mounted locks or lock elements]
63/0043 [Dummy or simulated locks; Cover elements without lock function]
63/0047 [Locks having a key withdrawable in different positions (cylinder locks E05B 27/0085, E05B 29/0073)]
63/0052 [Locks mounted on the "frame" cooperating with means on the "wing" (E05B 47/0046, E05B 65/0820, E05B 65/0847, E05B 65/0882 take precedence)]

63/0006 [for different door thicknesses (E05B 9/045 takes precedence; for fastening handles to lock or latch parts E05B 3/00)]
63/0065 [Operating modes; Transformable to different operating modes]
63/0069 [Override systems, e.g. allowing opening from inside without the key, even when locked from outside (E05B 65/1086, E05B 9/10 takes precedence; by movable striker E05B 63/246)]

63/0073 [by withdrawal of the entire lock unit]
63/0078 [allowing opening with key from outside, even with key inserted from inside (E05B 9/10 takes precedence)]

2063/0082 [Locking modes]
2063/0086 [Handles used only for locking, while unlocking is achieved by other means]
2063/0091 [Lock actuation dependent on temperature]
2063/0095 [Locking devices actuated or controlled by seismic activity, e.g. earthquakes]

63/02 without springs
63/04 for alternative use on the right-hand or left-hand side of wings
63/042 [constructed symmetrically]
63/044 [with reversible bolt or bolt head]
63/046 [with double-bevelled latch or the like]
63/048 [with bolt heads at both sides of the lock]
63/06 [with lengthwise-adjustable bolts ; with adjustable backset, i.e. distance from door edge]
63/08 Morrise locks ([mortised work B27E 5/12)]
63/10 requiring only two cylindrical holes in the wing
63/12 [with means carried by the bolt for interlocking with the keeper]
63/121 [using balls or the like cooperating with notches]
63/122 [with transverse, i.e. vertically movable bolt or dropbolt (E05B 63/126 takes precedence)]
63/123 [with circular bolts]
63/125 [with a sliding bolt rotating about its axis, i.e. of bayonet type]
63/126 [the bolt having an additional sliding bolt or movement (E05B 63/121 takes precedence)]
63/127 [the bolt having an additional rotating bolt or movement]
63/128 [with additional bolt in the striker (electric E05B 47/0069)]
63/14 [Arrangement of several locks or locks with several bolts, e.g. arranged one behind the other ([locks having bolts with multiple head E05B 15/108;) with provision for latching E05B 59/00, E05B 61/00)]
63/143 [Arrangement of several locks, e.g. in parallel or series, on one or more wings]
63/146 [locks with two or more bolts, each bolt itself being a tumbler]
63/16 with the handles on opposite sides moving independently
63/18 with arrangements independent of the locking mechanism for retaining the bolt (or latch) in the retracted position
Locks or fastenings with special structural characteristics or for special use

63/185 . . . [Preventing actuation of a bolt when the wing is open (E05B 63/20 takes precedence, similar safety devices E05D 15/526)]

63/20 . . . released automatically when the wing is closed (for panic door locks of the vertical rod type E05B 65/1013)

63/202 . . . [a latch bolt being initially retained in an intermediate position and subsequently projected to its full extent when the wing is closed]

63/205 . . . [by a trigger at the hinged edge of the wing]

63/22 . . . operated by a pulling or pushing action perpendicular to the front plate, i.e. by pulling or pushing the wing itself (without deadlocking E05C 19/02)]

63/24 . . . Arrangements in which the fastening members which engage one another are mounted respectively on the wing and the frame and are both movable, e.g. for release by moving either of them ([operating or controlling locks using electric or magnetic means in the striker or on the frame E05B 47/0046, adaptation of locks locking the bolt by an electromagnet in the striker E05B 47/0096, locks with means carried by the bolt for interlocking with the keeper and having additional bolt in the striker E05B 63/128; hasp locks E05B 65/48)]

63/242 . . . [Auxiliary bolts on the frame, actuated by bolts on the wing, or vice versa]

63/244 . . . [the striker being movable for latching, the bolt for unlatching, or vice versa]

63/246 . . . [Emergency release from inside by releasing the striker]

63/248 . . . [the striker being movable for latching, and pushed back by a member on the wing for unlatching, or vice versa]

65/00 Locks (or fastenings) for special use

65/0003 . . . [for locking a plurality of wings, e.g. simultaneously (E05B 65/0017, E05B 77/46, E05B 65/462, E05C 7000 take precedence)]

65/0007 . . . [for gates (for wire gates E05B 11/021)]

65/001 . . . [for gas- or watertight wings]

65/0014 . . . [to prevent opening by children (E05B 13/00 takes precedence; child-proof container closures E05D 5000)]

65/0017 . . . [Jail locks]

65/0021 . . . [for overhead or roll-up doors, e.g. garage doors]

65/0025 . . . [for glass wings]

65/0028 . . . [for narrow-stile wings]

65/0032 . . . [for hotel rooms (electronic G07C 9/00904)]

65/0035 . . . [for privacy rooms, e.g. bathrooms]

2065/0039 . . . [with emergency release]

65/0042 . . . [For refrigerators or cold rooms (E05B 17/0075 takes precedence; magnetic E05C 19/16)]

65/0046 . . . [with a bifurcated bolt]

65/005 . . . [with sliding bolt]

65/0053 . . . [with safety release from inside (by releasing the striker E05B 63/246; similar means for safe doors E05B 65/0078)]

65/0057 . . . [for caskets, coffins or burial vaults (coffins in general A61G 17/02)]

65/006 . . . [for covers or panels (for manholes E02D 29/1427; for holes enabling access to installations in buildings E04F 19/08; for pressure vessels F16J 13/00)]

65/0064 . . . [for openings in masts]

65/0067 . . . [for portable computers, e.g. for locking the screen panel to the keyboard panel]

65/0071 . . . [for revolving doors]

65/0075 . . . [for safes, strongrooms, vaults, fire-resistant cabinets or the like (safes, closures and fastenings therefor E05G)]

65/0078 . . . [Safety means for persons trapped within the safe, e.g. release from inside, venting means (by releasing the striker E05B 63/246; similar means for refrigerator or cold-room doors E05B 65/0053)]

65/0082 . . . [with additional locking responsive to attack, e.g. to heat, explosion (in general E05B 17/2092)]

65/0085 . . . [for folding wings, e.g. bi-fold wings]

65/0089 . . . [for utility meters or the like]

65/0092 . . . [for wardrobe trunks]

2065/0096 . . . [Locks for sport stadiums]

65/02 . . . [for thin, hollow, or thin-metal wings]

65/025 . . . [for lockers]

65/06 . . . [for swing doors (or windows, i.e. opening inwards and outwards)]

65/08 . . . [for sliding wings]

2065/0805 . . . [with a handle operating in both directions]

65/0811 . . . [the bolts pivoting about an axis perpendicular to the wings]

65/0817 . . . [with additional movement, e.g. toggle, overcenter, excentric (toggle fasteners in general E05C 19/14; similar fasteners for building slabs E04B 16/183)]

65/0823 . . . [cooperating with the slide guide, e.g. the r ail]

65/0829 . . . [mounted on the slide guide, e.g. the r ail]

65/0835 . . . [the bolts pivoting about an axis parallel to the wings]

65/0841 . . . [and parallel to the sliding direction of the wings]

65/0847 . . . [mounted on the slide guide, e.g. the rail (E05B 65/0841 takes precedence)]

65/0852 . . . [with a bolt under compression force]

65/0858 . . . [comprising simultaneously pivoting double hook-like locking members]

65/0864 . . . [the bolts sliding perpendicular to the wings]

65/087 . . . [the bolts sliding parallel to the wings]

65/0876 . . . [cooperating with the slide guide, e.g. the r ail]

65/0882 . . . [mounted on the slide guide, e.g. the rail]

65/0888 . . . [Locking bars]

65/0894 . . . [Portable or removable locks (E05B 65/0864, E05B 65/0888 take precedence)]

65/10 . . . [for panic or emergency doors]

65/1006 . . . [of the vertical rod type]

65/1013 . . . [Trigger means for holding the bolt in the retracted position and releasing the bolt when the door is closed]

65/102 . . . [opening under pressure on the surface of the door itself (E05C 19/02 takes precedence)]

65/1026 . . . [by a yieldable or breakable bolt or striker]

65/1033 . . . [emergency release of windows, window grills, escape hatches or the like]
Locks or fastenings with special structural characteristics or for special use

67/006 . . . (with retraction of the cable for storage
(E05B 73/0029 takes precedence; for devices mounted to a fixed surface or a portable object
E05B 73/0011))

67/002 . . . Cases

2067/025 . . . (Bumpers)

67/004 . . . Armoured cases (parts of the casing protecting the shackle E05B 67/38)

67/006 . . . Shackles; Arrangement of the shackle

67/003 . . . Padlocks with shackles hinged on the case

2067/066 . . . (Shackle extensions)

67/010 . . . for devices securing the free end of the shackle

67/014 . . . with devices for securing the hinged end of the shackle

67/018 . . . with devices for securing both ends of the shackle

67/022 . . . Padlocks with sliding shackles, with or without rotary or pivotal movement

67/024 . . . with built-in cylinder locks

67/026 . . . with screw action, with or without the shackle being moved by turning the key

67/028 . . . Padlocks with shackles forming a circle

67/032 . . . Padlocks with pincer-like shackles

67/036 . . . Padlocks with closing means other than shackles

67/035 . . . (Removable locks, the lock body itself being the locking element; Padlocks consisting of two separable halves or cooperating with a stud)

67/036 . . . (with locking means in the form of balls or rollers)

67/038 . . . Auxiliary or protective devices (weather protection E05B 17/002; armoured cases E05B 67/04)

67/033 . . . Staples or the like for padlocks; Lock slings; Arrangements on locks to cooperate with padlocks

2067/036 . . . (Padlock holders)

Locking devices for clothing, sticks, umbrellas, or cycles

69/00 Devices for locking clothing; Lockable clothing holders or hangers

69/003 . . . (for locking shoes against removal)

69/006 . . . (Lockable hangers or hanger racks)

69/02 . . . Lockable clothing hooks (coin-controlled locking hooks G07F 17/00)

71/00 Locks specially adapted for bicycles, other than padlocks (locks integral with holders for parking or storing bicycles B62H 3/00; locks integral with cycles B62H 5/00)

73/00 Devices for locking portable objects against unauthorised removal; Miscellaneous locking devices (motorcycle helmets A42B 3/0413; supporting arrangements specially adapted for fastening helmets B62J 11/24; gun racks A47B 81/00; showcases with theft protection A47F 3/002; anti-theft means for peg-boards, grids or rods for hanging merchandise A47F 5/0861; show stands, hangers, shelves with provision against unauthorised removal A47F 7/024; for self-service hand-carts A47E 10/04; locking skis A63C 11/004; locking bolts, nuts or pins F16B 41/00)

65/104 . . . [actuated in response to heat, e.g. with fusible element, bimetal, memory shape or swelling material]

65/1046 . . . (Panic bars)

65/1053 . . . [sliding towards and away form the door]

65/106 . . . [pivoting]

65/1066 . . . [the pivot axis being substantially parallel to the longitudinal axis of the bar]

65/1073 . . . [the pivot axis being substantially perpendicular to the longitudinal axis of the bar]

65/108 . . . [Electrically controlled emergency exits]

65/1086 . . . [Locks with panic function, e.g. allowing opening from the inside without a key even when locked from the outside]

65/1093 . . . [Dogging means for holding the actuation means, e.g. the actuating handle]

65/44 . . . for furniture (for drawers E05B 65/46)

65/46 . . . for drawers

65/461 . . . [for cash drawers]

65/462 . . . for two or more drawers

65/463 . . . Drawer interlock or anti-tilt mechanisms, i.e. when one drawer is open, at least one of the remaining drawers is locked

65/464 . . . comprising two or more lock elements aligned in end-to-end abutting relation

65/465 . . . with rotary locking bars

65/466 . . . with tensionable or flexible elements, e.g. cables, bands, chains or ropes

65/467 . . . Locking bars secured in front of the drawers

65/468 . . . using rotary locking bars (E05B 65/465, E05B 65/467 take precedence)

2065/469 . . . [for drawers which can be opened from both sides]

65/468 . . . Hasp locks (hasp fastenings other than locks E05C 19/08)

65/50 . . . for briefcases (or the like)

65/52 . . . Other locks for chests, boxes, trunks, baskets, travelling bags, or the like

65/5207 . . . [characterised by bolt movement]

65/5215 . . . [sliding]

65/5223 . . . [perpendicular to the surface on which the lock is mounted]

65/523 . . . [parallel to the surface on which the lock is mounted]

65/5238 . . . [parallel to the wing edge]

65/5246 . . . [rotating]

65/5253 . . . [about an axis perpendicular to the surface on which the lock is mounted]

65/5261 . . . [with simultaneously operating double bolts]

65/5269 . . . [about an axis parallel to the surface on which the lock is mounted]

65/5276 . . . [parallel to the wing edge]

65/5284 . . . [in which a movable latch is passed through a staple loop (similar fasteners for buckles A44B 11/00)]

65/5292 . . . [Gravity - or orientation sensitive mechanisms, e.g. to prevent opening when wrong-side-up]

Padlocks (permutation locks E05B 37/00); Details thereof

65/103 . . . Chain, wire or cable locks (alarms therefor E05B 45/005; E05B 65/006 takes precedence)}
Locking devices for clothing, sticks, umbrellas, or cycles

77/00

- Functions related to actuation of locks from the passenger compartment of the vehicle
- preventing use of an inner door handle, sill button, lock knob or the like
- [by blocking the movement of a movable element]
- specially adapted for child safety
- [hand actuated, e.g. by a lever at the edge of the door]
- for anti-theft purposes, e.g. double-locking or super-locking
- [initiated by hand actuation, e.g. by using a mechanical key]
- [Prevention or overriding of a super-lock condition, e.g. for preventing being trapped in the vehicle]
- allowing opening by means of an inner door handle, even if the door is locked
- allowing simultaneous actuation of locking or unlocking elements and a handle, e.g. preventing interference between an unlocking and an unlatching action
- Protection against weather or dirt, e.g. against water ingress (closures or guards for keyholes E05B 17/14)
- Noise prevention; Anti-rattling means
- Cushion elements, elastic guiding elements or holding elements, e.g. for cushioning or damping the impact of the bolt against the striker during closing of the wing
- Lock elements covered by silencing layers, e.g. coatings
- Means for damping the movement of lock parts, e.g. slowing down the return movement of a handle (E05B 77/38 takes precedence)
- Burglar prevention, e.g. protecting against opening by unauthorised tools (E05B 77/28 takes precedence)
- Locking several wings simultaneously
- [Automatic locking when all passengers have left the vehicle]
- by electrical means
- by pneumatic or hydraulic means
- Locking one wing by shutting another
- Automatic securing or unlocking of bolts triggered by certain vehicle parameters, e.g. exceeding a speed threshold (triggered by vehicle collision E05B 77/12)

79/00

Mounting or connecting vehicle locks or parts thereof

- Mounting of vehicle locks or parts thereof
- Mounting of lock casings to the vehicle, e.g. to the wing
- Mounting of handles, e.g. to the wing or to the lock
- Mounting of individual lock elements in the lock, e.g. levers
- Connections between movable lock parts
- using connecting rods
- the rods being linked to each other
- characterised by the means for linking the rods to other lock parts, e.g. to levers
- Rod guides
Locks for vehicles other than bicycles

81/00 Power-actuated vehicle locks
81/01 . . . (Comfort closing, i.e. the locking action for a wing is combined with actuation of other vehicle functions, e.g. locking the doors and closing the windows simultaneously)
81/02 . . . characterised by the type of actuators used
81/04 . . . Electrical (electrical circuits E05B 81/54)
81/05 . . . [moving in one direction only]
81/06 . . . using rotary motors
81/08 . . . using electromagnets or solenoids
81/10 . . . Hydraulic or pneumatic (hydraulic or pneumatic circuits E05B 81/52)
81/12 . . . characterised by the function or purpose of the powered actuators
81/13 . . . [a single actuator for driving a lock and additional vehicle components, e.g. window wipers or window lifters]
81/14 . . . operating on bolt detents, e.g. for unlatching the bolt
81/15 . . . [with means preventing the detent to return to its latching position before the bolt has moved to the unlatched position]
81/16 . . . operating on locking elements for locking or unlocking action
81/18 . . . to effect movement of a bolt or bolts (E05B 81/20 takes precedence)
81/20 . . . for assisting final closing or for initiating opening
81/21 . . . [with means preventing or detecting pinching of objects or body parts]
81/22 . . . by movement of the striker
81/24 . . . characterised by constructional features of the actuator or the power transmission
81/25 . . . [Actuators mounted separately from the lock and controlling the lock functions through mechanical connections]
81/26 . . . Output elements
81/28 . . . Linearly reciprocating elements
81/30 . . . Rotary elements
81/32 . . . Details of the actuator transmission
81/34 . . . of geared transmissions
81/36 . . . Geared sectors, e.g. fan-shaped gears
81/38 . . . Planetary gears
81/40 . . . Nuts or nut-like elements moving along a driven threaded axle
81/42 . . . Cams
81/44 . . . in the form of grooves
81/46 . . . Clutches
81/48 . . . Actuators being driven in a single direction
81/50 . . . Powered actuators with automatic return to the neutral position by non-powered means, e.g. by springs
81/52 . . . Pneumatic or hydraulic circuits (for locking several wings simultaneously E05B 77/50)
81/54 . . . Electrical circuits (for locking several wings simultaneously E05B 77/48)
81/56 . . . Control of actuators
81/58 . . . including time control, e.g. for controlling runtime of electric motors
81/60 . . . using pulse control, e.g. pulse-width modulation
81/62 . . . for opening or closing of a circuit depending on electrical parameters, e.g. increase of motor current
81/64 . . . Monitoring or sensing, e.g. by using switches or sensors
81/66 . . . the bolt position, i.e. the latching status
81/68 . . . by sensing the position of the detent
81/70 . . . the wing position
81/72 . . . the lock status, i.e. locked or unlocked condition
81/74 . . . by sensing the state of the actuator
81/76 . . . Detection of handle operation; Detection of a user approaching a handle; Electrical switching actions performed by door handles
81/77 . . . [comprising sensors detecting the presence of the hand of a user]
81/78 . . . as part of a hands-free locking or unlocking operation
81/80 . . . characterised by the power supply; Emergency power operation
81/82 . . . using batteries other than the vehicle main battery
81/84 . . . using manually operated generator means
81/86 . . . using capacitors
81/88 . . . using inductive energy transmission
81/90 . . . Manual override in case of power failure

83/00 Vehicle locks specially adapted for particular types of wing or vehicle (locks specially adapted for bicycles E05B 71/00; locking arrangements for non-fixed vehicle roofs B60J 7/185; latching means for sideboards or tailgates of open load compartments B62D 33/037)
83/01 . . . (Locks for military or armoured vehicles)
83/02 . . . Locks for railway freight-cars, freight containers or the like; Locks for the cargo compartments of commercial lorries, trucks or vans
83/04 . . . for sliding wings
83/06 . . . of railway freight-cars
83/08 . . . with elongated bars for actuating the fastening means
83/10 . . . Rotary bars
83/12 . . . for back doors of vans (E05B 83/04, E05B 83/08 take precedence)
83/14 . . . with provisions for sealing
83/16 . . . Locks for luggage compartments, car boot lids or car bonnets
83/18 . . . for car boot lids or rear luggage compartments
83/20 . . . with two or more wings, which together close a single compartment
83/22 . . . for luggage compartments at the side of the vehicle, e.g. of buses or camper vans
83/24 . . . for car bonnets
83/243 . . . [Hood clamps, i.e. individually actuated, usually yielding hooks]
83/247 . . . [Simultaneously actuated fasteners at separated positions]
83/26 . . . Emergency opening means for persons trapped in the luggage compartment
83/28 . . . Locks for glove compartments, console boxes, fuel inlet covers or the like
83/30 . . . for glove compartments
Locks for vehicles other than bicycles

83/32  .  .  for console boxes, e.g. between passenger seats
83/34  .  .  for fuel inlet covers essentially flush with the vehicle surface
83/36  .  Locks for passenger or like doors
83/363 .  .  (for railway vehicles ([E05B 77/54 takes precedence])
83/367 .  .  {with centering alignment pin}
83/38  .  .  for pillar-less vehicles, i.e. vehicles where a front and a back door engage each other in the closed position
83/40  .  .  for sliding doors
83/42  .  .  for large commercial vehicles, e.g. trucks, construction vehicles or vehicles for mass transport
83/44  .  .  for recreational vehicles, e.g. caravans or camper vans

85/00  Details of vehicle locks not provided for in groups
[E05B 77/00 - E05B 83/00]

85/01  .  .  Mechanical arrangements specially adapted for hands-free locking or unlocking (handles with means for initiation of a hands-free locking or unlocking process [E05B 81/78])
85/02  .  Lock casings
85/04  .  Strikers
85/045 .  .  {for bifurcated bolts}
85/06  .  Lock cylinder arrangements
85/08  .  Sill-buttons, garnish buttons or inner door lock knobs
85/085 .  .  {Manipulators therefor ([E05B 19/20 takes precedence])
85/10  .  Handles
85/103 .  .  {creating a completely closed wing surface}
85/107 .  .  {Pop-out handles, e.g. sliding outwardly before rotation}
85/12  .  .  Inner door handles
85/13 .  .  .  {with a locking knob forming part of the inside door handle unit}
85/14  .  .  Handles pivoted about an axis parallel to the wing
85/16 .  .  .  a longitudinal grip part being pivoted at one end about an axis perpendicular to the longitudinal axis of the grip part
85/18 .  .  .  a longitudinal grip part being pivoted about an axis parallel to the longitudinal axis of the grip part
85/20  .  Bolts or detents
85/22  .  .  Rectilinearly moving bolts
85/24  .  .  Bolts rotating about an axis
85/243 .  .  .  {with a bifurcated bolt}
85/245 .  .  .  {with a pair of bifurcated bolts}
85/247 .  .  .  {about a vertical axis}
85/26  .  .  Cooperation between bolts and detents
85/28  .  .  .  in which the member engaging the keeper is shaped as a toothed wheel or the like