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.

WARNINGS

1. 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 17/007
   - 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 21/02 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 and E05B 27/0096
   - E05B 29/02-E05B 29/14 covered by E05B 29/0006 and 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 55/06
   - E05B 55/10 covered by E05B 55/06
   - 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 71/02 covered by E05B 71/00 and E05B 37/00
2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

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 5/00; E05B 7/00 take precedence)

1/0007  (Knobs (E05B 1/0001, E05B 1/00053, E05B 1/00061, E05B 1/00069 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 3/000, E05B 5/000, 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 79/006 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  . (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))

2009/043  . . (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]

2009/046  . . (Cylinder locks operated by knobs or handles)

2009/047  . . (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
Parts of locks or the like mountable on or in wings

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 17/14)"

13/001 . . . {Covers preventing access to handles or keys}

13/002 . . . {locking the handle (E05B 13/10, E05B 47/06/57 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

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"

2015/0215 . . . {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"

2015/023 . . . {Keeper shape"

2015/0235 . . . {Stud-like"

15/024 . . . {adjustable"

15/0245 . . . {Movable elements held by friction, cooperating teeth, or the like"

15/025 . . . {the striker being movable by a screw/nut"

15/0255 . . . {Deformable element"

2015/026 . . . {using eccentrics"

2015/0265 . . . {pivoting or tilting"

2015/027 . . . {auto-adjustable"

2015/0275 . . . {in two directions"

2015/028 . . . {in three directions"

2015/0285 . . . {Portable striker"

2015/029 . . . {Closures, e.g. preventing dirt or paint from entering into the striker"

2015/0295 . . . {specially adapted for forked or bifurcated bolts (for vehicles E05B 85/045)"

2015/04 . {Spring arrangements in locks (E05B 3/065, E05B 15/101, E05B 15/143, E05C 19/06 take precedence)"

2015/0403 . . {Wound springs"

2015/0406 . . {wound in a cylindrical shape"

2015/041 . . . {loaded perpendicular to cylinder axis"

2015/0413 . . . {loaded by compression"

2015/0417 . . . {loaded by traction"

2015/042 . . . {wound in a plane, e.g. spirally"

2015/0424 . . . {of conical shape"

2015/0427 . . . {curved, e.g. toroidal"

2015/0431 . . . {Modifying spring characteristic or tension (E05B 2015/0441 takes precedence)"

2015/0434 . . . {Automatically"

2015/0437 . . . {Attachments or mountings; Mounting of springs"

2015/0441 . . . {Tensioning after mounting"

2015/0444 . . . {Springs additionally fulfilling an electric function"

2015/0448 . . . {Units of springs; Two or more springs working together"

2015/0451 . . . {Folded springs"

2015/0455 . . . {Torsion springs of bar type"

2015/0458 . . . {Leaf springs; Non-wound wire springs"

2015/0462 . . . {Ring springs"

2015/0465 . . . {Cup- or dished-disc springs"

2015/0468 . . . {made of one piece with a lock part"

2015/0472 . . . {Made of rubber, plastics or the like"

2015/0475 . . . {of block type"

2015/0479 . . . {of elastic string type"

2015/0482 . . . {Heavy springs which cannot be operated by hand"

2015/0486 . . . {A single spring working on more than one element"

2015/0489 . . . {on more than one tumbler"

2015/0493 . . . {Overcenter springs"

2015/0496 . . . {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"
Parts of locks or the like mountable on or in wings

17/102 . . . [Bolts having movable elements (E05B 23/00 takes precedence)]
17/104 . . . [Movable key-operated elements ("Schluesselangriff")]
2015/105 . . . [Two pivoting latch elements with opposite inclined surfaces mounted on one slidable main latch-piece]
2015/107 . . . [Roller bolt, i.e. a slidable main latch-piece with a roller-, ball- or barrel-shaped rotating element]
17/108 . . . [Bolts with multiple head (E05B 65/0075 takes precedence)]
15/14 . Tumblers
15/143 . [elast.: e.g. formed by a spring]
2015/146 . [Tumblers with parts movable to each other]
15/16 . Use of special materials for parts of locks
15/1607 . . . [Adhesive]
15/1614 . . . [of hard materials, to prevent drilling (E05B 67/04, E05B 67/38 take precedence)]
15/1621 . . . [Hardened bolts, or bolts with hardened inserts]
2015/1628 . . . [Free-rotating protecting covers or discs]
15/1635 . . . [of plastics materials (springs E05B 15/04)]
2015/1642 . . . [for the whole lock]
2015/165 . . . [for bolts]
2015/1657 . . . [for escutcheons]
2015/1664 . . . [for lock housing (E05B 17/002, E05B 17/0041, E05B 17/0045 take precedence)]
2015/1671 . . . [for strikers (E05B 15/022 takes precedence)]
2015/1678 . . . [for handle bearings]
2015/1685 . . . [Sheet materials]
2015/1692 . . . [Wires or straps (for springs E05B 2015/0403)]

17/00 Accessories in connection with locks (buffers E05F 500; 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)]
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 27/34)]
17/0025 . . . [Devices for forcing the wing firmly against its seat or to initiate the opening of the wing (E05B 15/022, E05F 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]
2017/0095 . . . [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 rearwardly 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)]
2017/043 . . . [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 B60R 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 takes 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 takes 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 . . . (pivotaly 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 curvatures 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))
Locks with rotary keys moving lamelliform tublers perpendicular to the key

21/00 Locks with lamelliform tublers (which are not set by the insertion of the key and) in which the tublers do not follow the movement of the bolt (e.g. Chubb-locks)

21/003 (comprising tumblers moving in opposite directions, e.g. tumbler sets on opposite sides of the keyhole for operation by a double-bit key)

21/006 (the bolt being operated by other means than the key bit, e.g. via a key-operated thrower)

21/06 Cylinder locks, e.g. protector locks

21/063 (of the sliding-plate tumbler type)

21/066 (of the rotary-disc tumbler type (tumblers which are set by inserting the key E05B 29/0013))

23/00 Locks with lamelliform tublers (which are not set by the insertion of the key and) in which the tumblers follow the movement of the bolt

27/00 Cylinder locks [and other locks] with tumbler pins which are set by pushing the key in (fastening of cylinders, rotors, plugs or cores E05B 9/084; with magnetic tumblers E05B 47/0044; with electromagnetic control E05B 47/0611)

27/0003 (Details)

27/0007 (Rotors)

27/001 (having relatively movable parts, e.g. coaxial- or split-plugs (for anti-picking purposes E05B 27/0075))

27/0014 (Stators (cylinder lock casings in general E05B 9/04))

27/0017 (Tumblers or pins)

27/0021 (having movable parts)

20/27/0025 (having means preventing rotation of the tumbler)

27/0028 (Other locks than cylinder locks with tumbler pins or balls)

27/0032 (with both axially and radially arranged tumbler pins or balls)

27/0035 (with indirectly actuated tumblers)

27/0039 (with pins which slide and rotate about their axis)

27/0042 (with additional key identifying function, e.g. with use of additional key operated rotor-blocking elements, not of split pin tumbler type (E05B 27/0078 takes precedence))

27/0046 (Axially movable rotor)

27/005 (with changeable combinations)

27/0053 (for use with more than one key, e.g. master-slave key (master key systems in general E05B 35/10))

27/0057 (with increased picking resistance)

27/006 (whereby a small rotation without the correct key blocks further rotation of the rotor (E05B 27/0067 takes precedence))

27/0064 (whereby the rotor is irreversibly blocked or can only be moved back with an authorized tool or key)

27/0067 (whereby a small rotation without the correct key blocks further movement of a tumbler (E05B 27/0082 takes precedence))

27/0071 (by means preventing opening by using the bump-technique)

27/0075 (by movable rotor elements)

27/0078 (Asymmetrical tumbler pins, e.g. with a key operating on a radial protrusion of a tumbler pin)

27/0082 (Side bar locking)

27/0085 (wherein the key can be inserted or withdrawn in different positions or directions (in general E05B 63/0047))

27/0089 (wherein the key can be withdrawn in several angular positions)

27/0092 (wherein the key can be inserted from both sides of the lock)

27/0096 (reversible keys)

27/02 (operated by the edge of the key)

27/08 (arranged axially)

27/083 (of the split-pin tumbler type)

27/086 (of the bar-tumbler type, the bars having slots or protrusions in alignment upon opening the lock)

20/27/10 (Tumblers operated by other surfaces than the edge of the key)

29/00 Cylinder locks [and other locks] with plate tumblers which are set by pushing the key in (fastening of cylinders, rotors, plugs or cores E05B 9/084; with magnetic tumblers E05B 47/0044; with electromagnetic control E05B 47/0611)

29/0006 (Other locks than cylinder locks with plate tumblers)

29/0013 (with rotating plate tumblers (E05B 29/0033 takes precedence; plate tumblers which are not set by inserting the key E05B 21/06))

29/002 (rotating about an axis perpendicular to the key axis)

29/0026 (with longitudinally movable cylinder)

29/0033 (with floating plate tumblers, i.e. sliding or sliding and rotating in a plane)

29/004 (with changeable combinations)

29/0046 (for use with more than one key, e.g. master-slave key (master key systems in general E05B 35/10))

29/0053 (with increased picking resistance)

29/006 (by movable rotor elements)

29/0066 (Side bar locking)

29/0073 (wherein the key can be inserted or withdrawn in different positions or directions (in general E05B 63/0047))

29/008 (wherein the key can be withdrawn in several angular positions)

29/0086 (wherein the key can be inserted from both sides of the lock)

29/0093 (reversible keys)

31/00 Cylinder locks with both tumbler pins or balls and plate tumblers

33/00 Cylinder locks in which the bolt is moved by means other than the key

35/00 Locks for use with special keys or a plurality of keys (keys therefor)

35/001 (with key identifying function)

35/002 (for flexible keys)

35/003 (for keys with movable bits (keys adjustable before use E05B 19/18))

35/004 (pivoting about an axis perpendicular to the main key axis)

35/005 (pivoting about an axis parallel 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-storing 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  
37/003 . [preventing detection of the combination]  
37/006 . by avoiding unauthorized viewing of the combination]  
37/001 . through listening or feeling]  
37/003 . by producing noise]  
37/007 . by producing false clicks; by use of false gates]  
37/002 . Speed sensors]  
37/004 . limited number of tries]  
37/007 . 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 or rings arranged on a single axis, 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)]  
39/002 . [by releasing a liquid, e.g. ill-smelling or dye]  
39/005 . [Locks with means for tracking the location of locked items, e.g. freight containers]  
39/007 . [Indication by a tactile impulse to the user, e.g. vibration of a lock-, handle- or key-part]  
39/02 . with destructible seal closures or paper closures]  
39/025 . [with fracturable 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]  
43/005 . [Timer devices controlling electrically operated locks]  
2043/007 . [using hydraulic or pneumatic retarders]  
45/00 Alarm locks  
45/005 . [Chain-locks, cable-locks or padlocks with alarms]  
45/02 . with mechanically-operated bells]  
45/04 . 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 86/75

- Gates or barriers with indicating or timing devices
- Gearboxes with indicating or timing devices
- Magnetic devices

- From a distance

Operation or control of locks by non-mechanical means, e.g., from a distance (locking doors simultaneously in passenger vehicles E05B 66/36; 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]

2047/0017  [with rotary motion]
2047/0018  [Details of actuator transmissions]
2047/002  [Geared transmissions]
2047/0021  [Geared sectors or fan-shaped gears]
2047/0022  [Planetary gears]
2047/0023  [Nuts or nut-like elements moving along a driven threaded axle]
2047/0024  [Cams]
2047/0025  [in the form of grooves]
2047/0026  [Clutches, couplings or braking arrangements]
2047/0027  [using centrifugal action]
2047/0028  [using electromagnetic means]
2047/003  [of the overload- slip- or friction type]
2047/0031  [of the elastic type]
2047/0032  [using flywheel action]
2047/0033  [using electro-rheological or magnetorheological substances]
2047/0034  [using materials with a volume which changes due to electrical voltage or current]
2047/0035  [Actuators being driven in a single direction only]
2047/0036  [Reversible actuators]
2047/0037  [Powered actuators with automatic return to the neutral position by non-powered means, e.g. springs]
2047/0038  [using permanent magnets]
2047/004  [the magnets acting directly on the bolt]
2047/0041  [with tumbler pins suspended for a pendulum movement]
2047/0042  [with rotary magnet tumblers]
2047/0043  [Mechanical locks operated by cards having permanent magnets]
2047/0044  [Cylinder locks with magnetic tumblers (E05B 47/0041, E05B 47/0042 take precedence)]
2047/0045  [keys with permanent magnets (E05B 47/0043, E05B 47/0044, E05B 73/0052 take precedence)]
2047/0046  [Electric or magnetic means in the striker or on the frame; Operating or controlling the striker plate (E05B 47/0066, E05B 63/248 take precedence)]
2047/0047  [Striker rotating about an axis parallel to the wing edge]
2047/0048  [Circuits, feeding, monitoring]
2047/005  [Opening, closing of the circuit]
2047/0051  [by closing the wing]
2047/0052  [opening the circuit by detection of current increase]
2047/0053  [by operating the handle]
2047/0054  [using microprocessor, printed circuits, or the like]
2047/0055  [by blowing]
2047/0056  [by sensing the presence of a person, e.g. body heat sensor]
2047/0057  [Feeding]
2047/0058  [by batteries]
2047/0059  [by transfer between frame and wing]
2047/0061  [using induction]
2047/0062  [by generator]
2047/0063  [Energy transfer from key to lock, e.g. for emergency opening]
2047/0064  [by solar cells]
Operation or control of locks by non-mechanical means, e.g. from a distance

47/0065 . . . {Saving energy (E05B 2047/0053, E05B 2047/0074, E05B 2047/0077, E05B 2047/0079, E05B 2047/0081 take precedence)}

47/0066 . . . {Reduced holding current}

47/0067 . . . {Monitoring}

47/0068 . . . {Door closed}

47/0069 . . . {bolt position}

47/0071 . . . {Connecting lockparts by electronic communication means only, e.g. bus systems, time multiplexing}

47/0072 . . . {Operation}

47/0073 . . . {Current to unlock only}

47/0074 . . . {holding means other than current (mechanical, magnetic)}

47/0075 . . . {locked by gravity}

47/0076 . . . {Current to lock only, i.e. "fail-safe"}

47/0077 . . . {holding means other than current}

47/0078 . . . {unlocked by gravity}

47/0079 . . . {Bi-stable electromagnet(s), different pulse to lock or unlock}

47/0081 . . . {Same pulse to lock or unlock}

47/0082 . . . {Induction for charging or current transformation}

47/0083 . . . {Devices of electrically driving keys, e.g. to facilitate opening}

47/0084 . . . {Key or electric means; Emergency release}

47/0085 . . . {Key and electromagnet}

47/0086 . . . {Emergency release, e.g. key or electromagnet (E05B 63/0073 takes precedence)}

47/0087 . . . {Electric spare devices, e.g. auxiliary batteries or capacitors for back up}

47/0088 . . . {Key-operated switch}

47/0089 . . . {with electronic learning functions (electronic locks G07C 9/00)}

47/0091 . . . {Retrofittable electric locks, e.g. an electric module can be attached to an existing manual lock (electrically driven keys E05B 2047/0083)}

47/0092 . . . {including means for preventing manipulation by an external magnetic field, e.g. preventing opening by using a strong magnet}

47/0093 . . . {including means for preventing manipulation by external shocks, blows or the like}

47/0094 . . . {Mechanical aspects of remotely controlled locks (electronic locks G07C 9/00)}

47/0095 . . . {Mechanical aspects of locks controlled by telephone signals, e.g. by mobile phones (electronic locks G07C 9/00)}

47/0096 . . . {Mechanical aspects of locks whose actuation is dependent on geographical location, e.g. by means of a GPS system (electronic locks G07C 9/00)}

47/0097 . . . {including means for monitoring voltage, e.g. for indicating low battery state}

47/0098 . . . {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; Adaptation 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 {; Mechanical aspects of electronic locks; Mechanical keys therefor (arrangements for sensing or reading record carriers G06K 7/00, G06K 9/00, mechanisms including electronic locks actuated by nonmechanical keys such as passive and active electrical keys and other data carriers G07C 9/00, G07F 700; electronic switching H03K 17/000)}

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)}

51/002 . . . by pneumatic or hydraulic means ((E05B 17/0029 takes precedence)}

51/023 . . . {actuated in response to external pressure, blast or explosion (E05B 65/102 takes precedence)}
2051/026 . . (with manually generated fluid pressure)

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)
55/006 . . 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 47/0004, E05B 65/0820, E05B 65/0847, E05B 65/0882 take precedence))

63/0056 . . (Locks with adjustable or exchangeable lock parts (adjustable strikers E05B 15/024; adjustable to different keys E05B 35/083; adjustable bolt or backset E05B 63/06; adjustable coupling means for bars, rods, cables E05C 9/20))
63/006 . . (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 9/105 take 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 . . Mortise locks (E05B 15/024; E05B 27/0085) taking precedence; for fastening handles to lock or latch parts E05B 3/00)
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 drophold (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 47/0004))
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 15/024; 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

65/1000

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)]

65/004 . [for panic or emergency doors]

65/006 . [for openings in masts]

65/007 . [for revolving doors]

65/008 . [for revolving doors]

65/0075 . [for safes, strongrooms, vaults, fire-resisting cabinets or the like (safes, closures and fastenings theretofore 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]

65/0096 . [Locks for sport stadiums]

65/018 . for thin, hollow, or thin-metal wings

65/025 . [for lockers]

65/026 . for swing doors (or windows, i.e. opening inwards and outwards)

65/026/005 . [with a handle operating in both directions]

65/028 . [the bolts pivoting about an axis perpendicular to the wings]

65/029 . [mounted on the slide guide, e.g. the rail]

65/035 . [with a handle operating in both directions]

65/037 . [the bolts pivoting about an axis parallel to the wings]

65/041 . [and parallel to the sliding direction of the wings]

65/047 . [mounted on the slide guide, e.g. the rail (E05B 65/0841 takes precedence)]

65/042 . [for swing doors (or windows, i.e. opening inwards and outwards)]

65/048 . [for swinging outwards]

65/050 . [for swinging outwards]

65/051 . [for swinging inwards]

65/052 . [for swinging inwards]

65/053 . [for swinging inwards]

65/054 . [for swinging outwards]

65/055 . [for swinging outwards]

65/056 . [for swinging outwards]

65/057 . [for swinging inwards]

65/058 . [comprising simultaneously pivoting double hook-like locking members]

65/059 . [comprising simultaneously pivoting double hook-like locking members]

65/064 . [the bolts sliding perpendicular to the wings]

65/067 . [the bolts sliding parallel to the wings]

65/076 . [cooperating with the slide guide, e.g. the rail]

65/078 . [cooperating with the slide guide, e.g. the rail]

65/082 . [cooperating with the slide guide, e.g. the rail]

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

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

65/0858 . [with a bolt under compression force]

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 rail]

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)]

65/094 . [with emergency release]

65/095 . [with emergency release]

65/1006 . [for vertical rod type]

65/1013 . [Complete means for holding the bolt in the retracted position and releasing the bolt when the door is closed, e.g. the rail]

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

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 . . . {Electronically 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}
65/48 . . . Hasp locks {hass 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}
65/526 . . . . . {parallel to the wing edge}
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 11/000}}
65/5292 . . . {Gravity - or orientation sensitive mechanisms, e.g. to prevent opening when wrongside-up}

65/006 . . . {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 . . . {Armed cases} {parts of the casing protecting the shackle E05B 67/38)
67/006 . . . Shackle{s}; Arrangement of the shackle
67/0063 . . . {Padlocks with removable shackles}
2067/066 . . . {Shackle extensions}
67/0/08 . . . Padlocks with shackles hinged on the case
67/10 . . . with devices for securing the free end of the shackle
67/14 . . . with devices for securing the hinged end of the shackle
67/18 . . . with devices for securing both ends of the shackle
67/22 . . . Padlocks with sliding shackles, with or without rotary or pivotal movement
67/24 . . . with built-in cylinder locks
67/26 . . . with screw action, with or without the shackle being moved by turning the key
67/28 . . . Padlocks with shackles forming a circle
67/32 . . . Padlocks with pincer-like shackles
67/36 . . . Padlocks with closing means other than shackles
67/365 . . . {with locking means in the form of balls or rollers}
67/38 . . . Auxiliary or protective devices {weather protection E05B 17/002; armoured cases E05B 67/041}
67/383 . . . {Staples or the like for padlocks; Lock slings; Arrangements on locks to cooperate with padlocks}
2067/386 . . . {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 17/10}
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 5/000}
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 81/005; 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 A47F 10/04; locking skis A63C 11/004; locking bolts, nuts or pins F16B 41/001}

67/00 Padlocks {permutation locks E05B 37/00}; Details thereof
67/003 . . . {Chain, wire or cable locks (alarms therefor E05B 45/005; E05B 69/006 takes precedence)}
Locking devices for clothing, sticks, umbrellas, or cycles

77/0005 . (using chains, cables or the like (chain- or cable-locks of the padlock type E05B 67/003; lockable clothing hangers or hanger racks E05B 69/006)

77/0011 . (with retraction of the flexible element for storage (E05B 73/0029 takes precedence; for padlocks E05B 67/006)

77/0017 . (Anti-theft devices, e.g. tags or monitors, fixed to articles, e.g. clothes, and to be removed at the check-out of shops)

77/0023 . (Containers, boxes, cases or the like, e.g. for compact discs or video-cassettes, specially adapted therefor)

77/0029 . (Tags wrapped around the protected product using cables, wires or the like, e.g. with cable retraction for tensioning)

77/0035 . (for eyeglasses or spectacles)

77/0041 . (for essentially round objects, e.g. bottles or racket handles)

77/0047 . (Unlocking tools; Decouplers)

77/0052 . [of the magnetic type]

77/0058 . (for essentially box-shaped devices)

77/0064 . (of the mechanical type)

77/007 . (for boats, surfboards or parts or accessories thereof)

77/0076 . (outboard motors or propellers)

77/0082 . (for office machines, e.g. PC’s, portable computers, typewriters, calculators)

2073/0088 . (being lockable or unlockable by means of the office machine itself, e.g. by its keyboard)

77/0094 . (for skate-boards)

77/02 . (for walking-sticks or umbrellas (locks integral with walking sticks A45B 1/04))

75/00 Handcuffs (Finger cuffs; Leg irons; Handcuff holsters; Means for locking prisoners in automobiles (retaining devices for the body or body parts A61F 5/37))

75/005 . (Handcuff holders, e.g. for storage)

Locks for vehicles other than bicycles

77/00 Vehicle locks characterised by special functions or purposes (locks specially adapted for bicycles E05B 71/00; locking arrangements for non-fixed vehicle roofs B60J 7/185)

77/02 . for accident situations

77/04 . Preventing unwanted lock actuation, e.g. unlatching, at the moment of collision

77/06 . by means of inertial forces

77/08 . Arrangements for protection of pedestrians

77/10 . Allowing opening in case of deformed bodywork, e.g. by preventing deformation of lock parts

77/12 . Automatic locking or unlocking at the moment of collision

77/14 . Specially controlled locking actions in case of open doors or in case of doors moved from an open to a closed position, e.g. lock-out prevention or self-cancelling

77/16 . Preventing locking with the bolt in the unlatched position, i.e. when the door is open

77/18 . Keyless locking with self-cancellation, e.g. resulting in an unlocking action when the door is being closed

77/20 . Override of self-cancellation, e.g. by actuation of the handle while the door is being closed

77/22 . Functions related to actuation of locks from the passenger compartment of the vehicle

77/24 . preventing use of an inner door handle, sill button, lock knob or the like

77/245 . (by blocking the movement of a movable element)

77/26 . specially adapted for child safety

77/265 . [hand actuated, e.g. by a lever at the edge of the door]

77/28 . for anti-theft purposes, e.g. double-locking or super-locking

77/283 . (initiated by hand actuation, e.g. by using a mechanical key)

77/287 . (Prevention or overriding of a super-lock condition, e.g. for preventing being trapped in the vehicle)

77/30 . allowing opening by means of an inner door handle, even if the door is locked

77/32 . allowing simultaneous actuation of locking or unlocking elements and a handle, e.g. preventing interference between an unlocking and an unlatching action

77/34 . Protection against weather or dirt, e.g. against water ingress (closures or guards for keyholes E05B 17/14)

77/36 . Noise prevention; Anti-rattling means

77/38 . 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

77/40 . Lock elements covered by silencing layers, e.g. coatings

77/42 . Means for damping the movement of lock parts, e.g. slowing down the return movement of a handle (E05B 77/38 takes precedence)

77/44 . Burglar prevention, e.g. protecting against opening by unauthorised tools (E05B 77/28 takes precedence)

77/46 . Locking several wings simultaneously

77/465 . (Automatic locking when all passengers have left the vehicle)

77/48 . by electrical means

77/50 . by pneumatic or hydraulic means

77/52 . Locking one wing by shutting another

77/54 . 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

79/02 . Mounting of vehicle locks or parts thereof

79/04 . Mounting of lock casings to the vehicle, e.g. to the wing

79/06 . Mounting of handles, e.g. to the wing or to the lock

79/08 . Mounting of individual lock elements in the lock, e.g. levers

79/10 . Connections between movable lock parts

79/12 . using connecting rods

79/14 . the rods being linked to each other

79/16 . characterised by the means for linking the rods to other lock parts, e.g. to levers

79/18 . 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
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