

**CPC COOPERATIVE PATENT CLASSIFICATION****E FIXED CONSTRUCTIONS****BUILDING****E05 LOCKS; KEYS; WINDOW OR DOOR FITTINGS; SAFES***(NOTE omitted)***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](#).

**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:

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

E05B  
(continued) 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**

<p><b>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}</b></p> <p>1/0007 . {Knobs (E05B 1/0015, E05B 1/0053, E05B 1/0061, E05B 1/0069 take precedence)}</p> <p>1/0015 . {Knobs or handles which do not operate the bolt or lock, e.g. non-movable; Mounting thereof}</p> <p>2001/0023 . . {being movable into a non-operating position, e.g. foldable towards the mounting plane}</p> <p>1/003 . {Handles pivoted about an axis perpendicular to the wing (E05B 3/00, E05B 5/00, E05B 13/106 take precedence)}</p> <p>1/0038 . {Sliding handles, e.g. push buttons (E05B 13/105 takes precedence)}</p> <p>1/0046 . . {sliding parallel to the plane of the wing}</p> <p>1/0053 . {Handles or handle attachments facilitating operation, e.g. by children or burdened persons (foot-operation E05B 53/001)}</p> <p>1/0061 . {Knobs or handles with protective cover, buffer or shock absorber}</p> <p>1/0069 . {Sanitary doorknobs or handles, e.g. comprising a disinfectant}</p> <p>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}</p> <p>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)}</p> <p>1/0092 . {Moving otherwise than only rectilinearly or only rotatively (E05B 5/003 takes precedence)}</p> <p>1/04 . with inner rigid member and outer cover or covers</p> <p>1/06 . of sheet material</p> <p><b>3/00 Fastening {knobs or} handles to lock or latch parts {E05B 79/06 takes precedence}</b></p> <p>3/003 . {Fastening knobs or handles to hollow cylindrical spindles, e.g. of tubular locks}</p> <p>2003/006 . {Fastening knobs or handles to the spindle by means of tilt-plates}</p> <p>3/02 . Fastening {knobs or} handles to the spindle by pinning or riveting {(E05B 3/10 takes precedence)}</p> <p>3/04 . Fastening {the knob or} the handle shank to the spindle by screws, springs or snap bolts {(E05B 3/10 takes precedence)}</p> <p>3/06 . by means arranged in or on the rose {or escutcheon}</p> <p>3/065 . . {with spring biasing means for moving the handle over a substantial distance, e.g. to its horizontal position}</p> <p>3/08 . Fastening the spindle to the follower</p> <p>3/10 . by a bipartite or cleft spindle in the follower or in the handle shank</p> <p><b>5/00 Handles completely let into the surface of the wing {E05B 85/10 takes precedence}</b></p> <p>5/003 . {Pop-out handles, e.g. sliding outwardly before rotation}</p> <p>5/006 . {essentially defining a completely closed surface together with the wing}</p>	<p><b>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 3/00}}</b></p> <p><b>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)}</b></p> <p>9/002 . {Faceplates or front plates (E05C 9/004 takes precedence)}</p> <p>2009/004 . {Shape of the lock housing}</p> <p>2009/006 . . {circular}</p> <p>2009/008 . . {circle segment}</p> <p>9/02 . {Casings} of latch-bolt {or deadbolt} locks</p> <p>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)}</p> <p>9/041 . . {Double cylinder locks (E05B 9/045, E05B 9/048 take precedence)}</p> <p>9/042 . . . {Stators consisting of multiple parts being assembled together (E05B 9/045 takes precedence)}</p> <p>2009/043 . . . {whereby the casing contains an inner and outer rotor which are simultaneously operated by a long key}</p> <p>9/045 . . {Modular casings for adjusting the length of cylinder locks}</p> <p>2009/046 . . {Cylinder locks operated by knobs or handles}</p> <p>2009/047 . . {Means for returning cylinder locks to their neutral position}</p> <p>9/048 . . {Stator reinforcements (for drill protection E05B 15/1614)}</p> <p>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)}</p> <p>9/082 . . {with concealed screws}</p> <p>9/084 . . {Fastening of lock cylinders, plugs or cores}</p> <p>9/086 . . . {Fastening of rotors, plugs or cores to an outer stator}</p> <p>9/088 . . . . {Means for preventing loss of tumblers during mounting or removal}</p> <p>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)}</p> <p>9/105 . . {including disengagement means, e.g. opening from one side being still possible even if the key is inserted from the other side}</p> <p><b>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)}</b></p> <p>11/005 . {by key modifications or attachments, e.g. excentric centre of gravity}</p> <p>11/02 . before the wing is locked</p> <p>11/04 . before the wing is closed</p>
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11/06	. for catching skeleton or incorrect keys	15/0225	. . . . {Resilient block type, e.g. made from rubber}
<b>13/00 Devices preventing the key or the handle or both from being used {(covers or guards for keyholes E05B 17/14)}</b>			
13/001	. {Covers preventing access to handles or keys}	2015/023	. . . . {Keeper shape}
13/002	. {locking the handle (E05B 13/10, E05B 47/0657 take precedence)}	2015/0235	. . . . {Stud-like}
13/004	. . {by locking the spindle, follower, or the like}	15/024	. . . . {adjustable}
13/005	. {Disconnecting the handle (E05B 13/101, E05B 47/0676, E05B 55/06 take precedence)}	15/0245	. . . . {Movable elements held by friction, cooperating teeth, or the like}
13/007	. {Handles which are locked or blocked in the open position}	15/025	. . . . {the striker being movable by a screw/nut}
13/008	. {A single handle being used for actuation of several wings, e.g. simultaneously}	15/0255	. . . . {Deformable element}
13/04	. shaped as fork-like implements grasping and fixing the key {or a handle, e.g. a thumb-turn}	2015/026	. . . . {using eccentrics}
13/10	. formed by a lock arranged in the handle	2015/0265	. . . . {pivoting or tilting}
13/101	. . {for disconnecting the handle (E05B 13/103, E05B 13/105 take precedence)}	2015/027	. . . . {auto-adjustable}
13/103	. . {Combination lock}	2015/0275	. . . . {in two directions}
13/105	. . {the handle being a pushbutton (E05B 13/103 takes precedence)}	2015/028	. . . . {in three directions}
13/106	. . {for handles pivoted about an axis perpendicular to the wing (E05B 13/101, E05B 13/103, E05B 13/105 take precedence)}	2015/0285	. . . . {Portable striker}
13/108	. . . {the lock coaxial with spindle}	15/029	. . . {Closures, e.g. preventing dirt or paint from entering into the striker}
<b>15/00 Other details of locks; Parts for engagement by bolts of fastening devices</b>			
15/0006	. {Devices for aligning wing and frame; Anti-rattling devices (for vehicle doors E05B 83/367)}	15/0295	. . . {specially adapted for forked or bifurcated bolts (for vehicles E05B 85/045)}
15/0013	. {Followers; Bearings therefor}	15/04	. Spring arrangements in locks {(E05B 3/065, E05B 15/101, E05B 15/143, E05C 19/06 take precedence)}
15/002	. {Energy storage by movement of wing}	2015/0403	. . . {Wound springs}
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}	2015/0406	. . . {wound in a cylindrical shape}
15/0033	. {Spindles for handles, e.g. square spindles}	2015/041	. . . . {loaded perpendicular to cylinder axis}
15/004	. {Lost motion connections}	2015/0413	. . . . {loaded by compression}
15/0046	. {Ratchet mechanisms}	2015/0417	. . . . {loaded by traction}
15/0053	. {means providing a stable, i.e. indexed, position of lock parts}	2015/042	. . . . {wound in a plane, e.g. spirally}
15/006	. . {Spring-biased ball or roller entering a notch}	2015/0424	. . . . {of conical shape}
2015/0066	. . . {axially operated}	2015/0427	. . . . {curved, e.g. toroidal}
15/0073	. . . {magnetically operated}	2015/0431	. . . . {Modifying spring characteristic or tension (E05B 2015/0441 takes precedence)}
15/008	. . . {friction type}	2015/0434	. . . . {Automatically}
15/0086	. . {Toggle levers (toggle fasteners E05C 19/14)}	2015/0437	. . . . {Attachments or mountings; Mounting of springs}
15/0093	. . {Weight arrangements in locks; gravity activated lock parts (E05B 65/5292, E05B 77/06 take precedence)}	2015/0441	. . . . {Tensioning after mounting}
15/02	. Striking-plates; Keepers; Bolt staples; Escutcheons {keyhole finders E05B 15/08; escutcheons made of hard materials E05B 15/1614; finger-plates E06B 7/285)}	2015/0444	. . . . {Springs additionally fulfilling an electric function}
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)}	2015/0448	. . . . {Units of springs; Two or more springs working together}
15/021	. . . . {Strikers having multiple positions for the bolt}	2015/0451	. . . . {Folded springs}
2015/0215	. . . . {Screw-type}	2015/0455	. . . . {Torsion springs of bar type}
15/022	. . . . {movable, resilient or yieldable (adjustable into different discrete positions E05B 15/024; yieldable striker for emergency opening E05B 65/1026)}	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}

15/102	. . . {Bolts having movable elements ( <a href="#">E05B 23/00 takes precedence</a> )}	17/0054	. . . {Fraction or shear lines; Slip-clutches, resilient parts or the like for preventing damage when forced or slammed}
15/104	. . . . {Movable key-operated elements ("Schluesselangriff")}	17/0058	. . . . {with non-destructive disengagement ( <a href="#">E05B 17/045 takes precedence</a> )}
2015/105	. . . . {Two pivoting latch elements with opposite inclined surfaces mounted on one slidable main latch-piece}	17/0062	. . . . {with destructive disengagement}
2015/107	. . . . {Roller bolt, i.e. a slidable main latch-piece with a roller-, ball- or barrel-shaped rotating element}	17/0066	. . . . {Handles with destructible elements}
15/108	. . . . {Bolts with multiple head ( <a href="#">E05B 65/0075 takes precedence</a> )}	17/007	. . . . {Devices for reducing friction between lock parts ( <a href="#">E05B 17/08 takes precedence</a> )}
15/14	. . . Tumblers	17/0075	. . . . {Insulating, e.g. for limiting heat transfer; Increasing fire-resistance of locks}
15/143	. . . . {elastic, e.g. formed by a spring}	17/0079	. . . . {Locks with audio features ( <a href="#">E05B 45/00 takes precedence</a> )}
2015/146	. . . . {Tumblers with parts movable to each other}	17/0083	. . . . {Sound emitting devices, e.g. loudspeakers}
15/16	. . . Use of special materials for parts of locks	17/0087	. . . . {Sound receiving devices, e.g. microphones}
15/1607	. . . . {Adhesive}	17/0091	. . . . {including protruding or recessed symbols in a surface for tactile indication/information, e.g. Braille symbols}
15/1614	. . . . {of hard materials, to prevent drilling ( <a href="#">E05B 67/04, E05B 67/38 take precedence</a> )}	2017/0095	. . . . {Means preventing wrong operation, e.g. preventing damaging contact between extended bolt and striker or bolt and frame}
15/1621	. . . . {Hardened bolts, or bolts with hardened inserts}	17/04	. . . Devices for coupling the turning cylinder of a single or a double cylinder lock with the bolt operating member
2015/1628	. . . . {Free-rotating protecting covers or discs}	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}
15/1635	. . . . {of plastics materials ( <a href="#">springs E05B 15/04</a> )}	17/042	. . . . {using toothed wheels or geared sectors ( <a href="#">E05C 9/023, E05C 9/041 take precedence</a> )}
2015/1642	. . . . {for the whole lock}	2017/043	. . . . {Planetary gear}
2015/165	. . . . {for bolts}	17/044	. . . . {Clutches, disengageable couplings}
2015/1657	. . . . {for escutcheons}	17/045	. . . . {for keeping the rotor disconnected from the bolt actuating member, when being turned, e.g. forcefully, without the proper key}
2015/1664	. . . . {for lock housing ( <a href="#">E05B 17/002, E05B 17/0041, E05B 17/0045 take precedence</a> )}	17/046	. . . . {disengaged manually from inside}
2015/1671	. . . . {for strikers ( <a href="#">E05B 15/022 takes precedence</a> )}	17/047	. . . . {with rotating output elements forming part of cylinder locks, e.g. locking cams of double cylinder locks}
2015/1678	. . . . {for handle bearings}	17/048	. . . . {with sliding output elements forming part of cylinder locks, e.g. in the form of pins or cams}
2015/1685	. . . . {Sheet materials}	17/049	. . . . {sliding essentially in the axial direction of the cylinder lock}
2015/1692	. . . . {Wires or straps}	17/06	. . . Templates for marking the position of apertures in fittings of wings {or frames; Apparatus for installation of a lockset (drill jigs <a href="#">B23B 47/28</a> ; mortised work <a href="#">B27F 5/12</a> ; templates for hinges <a href="#">E05D 11/009</a> )}
<b>17/00</b>	<b>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)</b>	17/08	. . . Lubricating devices
17/0004	. . . {Lock assembling or manufacturing (making locksmith's goods of sheet metal <a href="#">B21D 53/38</a> ; assembling in general <a href="#">B23P 21/00</a> )}	17/10	. . . Illuminating devices on or for locks or keys; {Transparent or translucent lock parts; Indicator lights}
17/0008	. . . {Lock parts made by extrusion process}	17/103	. . . . {on keys ( <a href="#">E05B 17/106 takes precedence</a> ; attached to key rings <a href="#">A44B 15/005</a> ; on key bags or wallets <a href="#">A45C 11/32</a> )}
17/0012	. . . {for lock parts held in place before or during mounting on the wing}	17/106	. . . . {fluorescent}
17/0016	. . . {Defrosting, e.g. heating devices}	17/12	. . . Devices for removing keys stuck in the lock
17/002	. . . {Weather or dirt protection ( <a href="#">E05B 15/029, E05B 17/14 take precedence</a> ; for vehicle locks <a href="#">E05B 77/34</a> )}	17/14	. . . Closures or guards for keyholes {for vehicle ignition or steering lock <a href="#">B60R 25/023</a> }
17/0025	. . . {Devices for forcing the wing firmly against its seat or to initiate the opening of the wing ( <a href="#">E05B 15/022, E05B 65/0817, E05B 81/20, E05C 19/14 take precedence</a> )}	17/142	. . . . {with key-operated locks, e.g. padlocks}
17/0029	. . . . {motor-operated (for vehicles <a href="#">E05B 81/20</a> )}	17/145	. . . . {with combination lock}
17/0033	. . . . {for opening only ( <a href="#">E05B 17/0029 takes precedence</a> )}	17/147	. . . . {electrically-operated}
17/0037	. . . . {Spring-operated}	17/16	. . . . shaped as pins or key bits {( <a href="#">E05B 17/145 takes precedence</a> )}
17/0041	. . . . {Damping means (for vehicles <a href="#">E05B 77/42</a> ; time locks with retarders <a href="#">E05B 43/00</a> )}		
17/0045	. . . . {Silencing devices; Noise reduction (resilient strikers <a href="#">E05B 15/022</a> ; for vehicles <a href="#">E05B 77/36</a> )}		
17/005	. . . . {Preventing accidental lock-out, e.g. by obstruction in the striker (securing the bolt in the retracted position <a href="#">E05B 63/18</a> ; stops and buffers preventing the slamming of wings <a href="#">E05F 5/02</a> )}		

17/18	. . . shaped as lids or slides { <a href="#">(E05B 17/142, E05B 17/145, E05B 17/147 take precedence)</a> }	17/22	. Means for operating or controlling lock or fastening device accessories, i.e. other than the fastening members, e.g. switches, indicators { <a href="#">(E05B 39/00 - E05B 45/00 take precedence)</a> }
17/181	. . . {pivoting inwardly}	17/223	. . . {preventing lock actuation after detection of drug use, e.g. alcohol consumption}
17/183	. . . {pivoting outwardly}	17/226	. . . {Displays on locks, e.g. LED or LCD screens (on handles <a href="#">E05B 1/0084; on keys E05B 19/0088</a> )}
17/185	. . . {pivoting about an axis perpendicular to the lock face}		
17/186	. . . {sliding}	<b>19/00</b>	<b>Keys; Accessories therefor</b> ({key modifications or attachments preventing removal from the lock <a href="#">E05B 11/005</a> ; key rings <a href="#">A44B 15/00</a> ; key cases <a href="#">A45C 11/32</a> ; key holders <a href="#">A47G 29/10</a> ;} making keys, see the relevant places, e.g. <a href="#">B21D 53/42</a> ; milling grooves in keys <a href="#">B23C 3/35</a> )
17/188	. . . {flexible}		. {Key safes ( <a href="#">E05B 35/086 takes precedence</a> )}
17/20	. Means independent of the locking mechanism for preventing unauthorised opening, e.g. for securing the bolt in the fastening position { <a href="#">(locks with means carried by the bolt for interlocking with the keeper E05B 63/12)</a> }		. {Key decoders (general measuring of contours and curvatures <a href="#">G01B 3/14, G01B 5/20, G01B 7/28</a> )}
17/2003	. . . {Preventing opening by insertion of a tool, e.g. flexible, between door and jamb to withdraw the bolt}		. {Key profiles}
17/2007	. . . {Securing, deadlocking or "dogging" the bolt in the fastening position <a href="#">(E05B 15/0046, E05B 15/0086, E05B 67/383 take precedence)</a> }		. . . {characterized by variation of the contact surface between the key and the tumbler pins or plates}
17/2011	. . . {using balls or the like cooperating with notches <a href="#">(E05B 63/121 takes precedence)</a> }		. . . {characterized by varying cross-sections of different keys within a lock system (cross-sections of single keys <a href="#">E05B 19/0041</a> )}
17/2015	. . . {with wedging action}		. . . {characterized by longitudinal bit variations}
17/2019	. . . {elastic, i.e. the dog or detent being formed or carried by a spring}		. . . {characterized by the cross-section of the key blade in a plane perpendicular to the longitudinal axis of the key}
17/2023	. . . {Loose pins, screws, or the like; Portable devices}		. . . . {with substantially circular or star-shape cross-section}
17/2026	. . . {automatic, i.e. actuated by a closed door position sensor}		. . . . {Rectangular flat keys}
17/203	. . . {not following the movement of the bolt}		. . . . {with key bits on at least one wide side surface of the key}
17/2034	. . . . {moving pivotally or rotatively}		. . . . . {and with additional key bits on at least one narrow side edge of the key}
17/2038	. . . . {moving rectilinearly}		. . . . . {with U- or V-shaped cross-section}
17/2042	. . . . {moving otherwise than only rectilinearly and only pivotally or rotatively}		. . . . . {Keys with a curved longitudinal axis}
17/2046	. . . . . {performing both movements simultaneously, e.g. screwing}		. . . . . {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 <a href="#">G07C 9/00944</a> )}
17/2049	. . . . {following the movement of the bolt}		. . . . . {Displays on keys, e.g. LED or LCD screens}
17/2053	. . . . {moving pivotally or rotatively relating to the bolt}		. . . . . {protruding elements on the key preventing unauthorized insertion into the keyhole}
17/2057	. . . . {moving rectilinearly relating to the bolt}		. . . . . Construction of the bow {or head} of the key; Attaching the bow to the shank
17/2061	. . . . {moving otherwise than only rectilinearly and only pivotally or rotatively relating to the bolt}		. . . . . {the shank being pivotably mounted on the bow, e.g. for storage}
17/2065	. . . . . {performing both movements simultaneously, e.g. screwing}		. . . . . {the shank being slidably mounted on the bow, e.g. for storage}
17/2069	. . . . {by means of an additional dogging movement of a sliding bolt}		. . . . . Double {or multiple} keys {, e.g. with two or more bows or bits (see also <a href="#">E05B 35/14</a> )}
17/2073	. . . . {pivotally or rotatively}		. . . . . Keys adjustable before use
17/2076	. . . . . {about an axis parallel to its sliding movement}		. . . . . 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 <a href="#">A62B 3/005</a> )}
17/208	. . . . {by means of an additional dogging movement of a rotary bolt}		. . . . . {Lock decoders}
17/2084	. . . {Means to prevent forced opening by attack, tampering or jimmying <a href="#">(E05B 15/1614 takes precedence; for ignition or steering locks B60R 25/023)</a> }		. . . . . Keys with devices for indicating whether the last operation was locking or unlocking
17/2088	. . . {Means to prevent disengagement of lock and keeper <a href="#">(E05B 63/12 takes precedence)</a> }		. . . . . Key distinguishing marks {( <a href="#">fluorescent E05B 17/106</a> )}
17/2092	. . . {Means responsive to tampering or attack providing additional locking (for safes <a href="#">E05B 65/0082</a> )}		. . . . . Use of special materials for keys {( <a href="#">fluorescent E05B 17/106; magnets E05B 47/0038</a> )}
2017/2096	. . . {Preventing tampering by removal of lock parts which are vital for the function}		

**Locks with rotary keys moving lamelliform tublers perpendicular to the key**

<b>21/00</b>	<b>Locks with lamelliform tumblers {which are not set by the insertion of the key and} in which the tumblers do not follow the movement of the bolt {e.g. Chubb-locks}</b>	27/0085	. {wherein the key can be inserted or withdrawn in different positions or directions (in general E05B 63/0047)}
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}	27/0089	. . {wherein the key can be withdrawn in several angular positions}
21/006	. {the bolt being operated by other means than the key bit, e.g. via a key-operated thrower}	27/0092	. . {wherein the key can be inserted from both sides of the lock}
21/06	. Cylinder locks, e.g. protector locks	27/0096	. . {reversible keys}
21/063	. . {of the sliding-plate tumbler type}	27/02	. operated by the edge of the key
21/066	. . {of the rotary-disc tumbler type (tumblers which are set by inserting the key E05B 29/0013)}	27/08	. . arranged axially
<b>23/00</b>	<b>Locks with lamelliform tumblers {which are not set by the insertion of the key and} in which the tumblers follow the movement of the bolt</b>	27/083	. . . {of the split-pin tumbler type}
<b>27/00</b>	<b>Cylinder locks {or other locks} with tumbler pins or balls that are set by pushing the key in</b>	27/086	. . . {of the bar-tumbler type, the bars having slots or protrusions in alignment upon opening the lock}
27/0003	. {Details}	27/10	. operated by other surfaces of the key, e.g. openings receiving projections on the tumblers
27/0007	. . {Rottors}	<b>29/00</b>	<b>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)}</b>
27/001	. . . {having relatively movable parts, e.g. coaxial- or split-plugs (for anti-picking purposes E05B 27/0075)}	29/0006	. {Other locks than cylinder locks with plate tumblers}
27/0014	. . {Stators (cylinder lock casings in general E05B 9/04)}	29/0013	. {with rotating plate tumblers (E05B 29/0033 takes precedence; plate tumblers which are not set by inserting the key E05B 21/06)}
27/0017	. . {Tumblers or pins}	29/002	. . {rotating about an axis perpendicular to the key axis}
27/0021	. . . {having movable parts}	29/0026	. {with longitudinally movable cylinder}
2027/0025	. . {having means preventing rotation of the tumbler}	29/0033	. {with floating plate tumblers, i.e. sliding or sliding and rotating in a plane}
27/0028	. {Other locks than cylinder locks with tumbler pins or balls}	29/004	. {with changeable combinations}
27/0032	. {with both axially and radially arranged tumbler pins or balls}	29/0046	. {for use with more than one key, e.g. master-slave key (master key systems in general E05B 35/10)}
27/0035	. {with indirectly actuated tumblers}	29/0053	. {with increased picking resistance}
27/0039	. {with pins which slide and rotate about their axis}	29/006	. . {by movable rotor elements}
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)}	29/0066	. {Side bar locking}
27/0046	. {Axially movable rotor}	29/0073	. {wherein the key can be inserted or withdrawn in different positions or directions (in general E05B 63/0047)}
27/005	. {with changeable combinations}	29/008	. . {wherein the key can be withdrawn in several angular positions}
27/0053	. {for use with more than one key, e.g. master-slave key (master key systems in general E05B 35/10)}	29/0086	. . {wherein the key can be inserted from both sides of the lock}
27/0057	. {with increased picking resistance}	29/0093	. . {reversible keys}
27/006	. . {whereby a small rotation without the correct key blocks further rotation of the rotor (E05B 27/0067 takes precedence)}	<b>31/00</b>	<b>Cylinder locks with both tumbler pins or balls and plate tumblers</b>
27/0064	. . . {whereby the rotor is irreversibly blocked or can only be moved back with an authorized tool or key}	<b>33/00</b>	<b>Cylinder locks in which the bolt is moved by means other than the key</b>
27/0067	. . {whereby a small rotation without the correct key blocks further movement of a tumbler (E05B 27/0082 takes precedence)}	<b>35/00</b>	<b>Locks for use with special keys or a plurality of keys {; keys therefor}</b>
27/0071	. . {by means preventing opening by using the bump-technique}	35/001	. {with key identifying function}
27/0075	. . {by movable rotor elements}	35/002	. {for flexible keys}
27/0078	. {Asymmetrical tumbler pins, e.g. with a key operating on a radial protrusion of a tumbler pin}	35/003	. {for keys with movable bits (keys adjustable before use E05B 19/18)}
27/0082	. {Side bar locking}	35/004	. . {pivoting about an axis perpendicular to the main key axis}
		35/005	. . {pivoting about an axis parallel to the main key axis}
		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}	37/0089	. . . {when the wing is closed}
2035/009	. . {Locks where a characteristic part of the user's body is used as a key}	37/0093	. . . {Obligatory manual scrambling}
35/02	. which can be shifted laterally {or rotated about an axis perpendicular to the key axis}	37/0096	. . {with tumbler discs arranged on concentric axes, each axis being operated by a different rotating knob}
35/06	. for screw keys	37/02	. with tumbler discs or rings arranged on a single axis, each disc being adjustable independently of the others
35/08	. operable by a plurality of keys	37/025	. . . {in padlocks}
35/083	. . . {with changeable combination ( <a href="#">E05B 35/125 takes precedence; for cylinder locks E05B 27/005, E05B 29/004</a> )}	37/04	. with tumbler discs on a single axis, all the discs being adjustable by rotating a shiftable knob
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}	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 ( <a href="#">E05B 37/0044 takes precedence</a> )}
35/10	. . . with master and pass keys {(for cylinder locks <a href="#">E05B 27/0053</a> )}	37/10	. . . in padlocks
35/105	. . . . {Locks allowing opening by official authorities, e.g. master key opening of luggage locks by customs officials}	37/12	. with tumbler discs on several axes
35/12	. . . requiring the use of two keys, e.g. safe-deposit locks ( <a href="#">locks with key-operated keyhole cover E05B 17/142</a> )	37/14	. . . in padlocks
35/125	. . . . {with changeable combination}	37/16	. with two or more push or pull knobs, slides, or the like {( <a href="#">E05B 65/461 takes precedence</a> )}
35/14	. with keys of which different parts operate separate mechanisms {( <a href="#">E05B 35/003 takes precedence</a> )}	37/163	. . . {the knobs being pushed in a prescribed sequence}
<b>37/00</b>	<b>Permutation {or combination} locks</b> {handles with combination locks <a href="#">E05B 13/103</a> ; keyhole guards with combination locks <a href="#">E05B 17/145</a> ; electric permutation locks <a href="#">E05B 49/00</a> }; <b>Puzzle locks</b>	37/166	. . . {each knob being pushed a predetermined number of times ( <a href="#">E05B 37/163 takes precedence</a> )}
37/0003	. . {preventing detection of the combination}	37/20	. Puzzle locks {, e.g. of labyrinth type; Fasteners with hidden or secret actuating mechanisms}
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 ( <a href="#">E05B 17/145 takes precedence</a> )}		
37/0034	. . . {actuated by either}		
37/0037	. . . {with a key requiring successive operations, e.g. different mechanisms in a predetermined order ( <a href="#">E05B 35/003 takes precedence</a> )}		
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 ( <a href="#">E05B 37/025, E05B 37/10 and E05B 37/14 take precedence</a> )}		
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}		

**Locks with indicating or timing devices**

<b>39/00</b>	<b>Locks giving indication of {authorised} or unauthorised unlocking</b> {with key identification means <a href="#">E05B 35/001</a> ; alarm locks <a href="#">E05B 45/00</a> }
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 <a href="#">G07C 1/32</a> }
<b>41/00</b>	<b>Locks with visible indication as to whether the lock is locked or unlocked</b> {indicator lights <a href="#">E05B 17/10</a> }
<b>43/00</b>	<b>Time locks</b>
2043/002	. . {using mechanical clocks}
43/005	. . {Timer devices controlling electrically operated locks}
2043/007	. . {using hydraulic or pneumatic retarders}
<b>45/00</b>	<b>Alarm locks</b>
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 <a href="#">G08B 3/14, G08B 13/06</a> }
45/06	. Electric alarm locks { <a href="#">E05B 45/005 takes precedence</a> }
45/0605	. . . {for preventing of leaving the key (key ejection <a href="#">E05B 63/003</a> )}
45/061	. . . {for combination locks}
2045/0615	. . . {triggered by movement of the handle}
2045/062	. . . {by traction on a chain}
2045/0625	. . . {by pressure on a safety bar}

2045/063	... . {by movement of the wing}	2047/0023	... . . . {Nuts or nut-like elements moving along a driven threaded axle}
2045/0635	... . {by rotation of key or rotor}	2047/0024	... . . . {Cams}
2045/064	... . {by movement of the lock housing or part thereof}	2047/0025	... . . . . {in the form of grooves}
2045/0645	... . {by movement of the keyhole cover}	2047/0026	... . . . {Clutches, couplings or braking arrangements}
2045/065	... . {Switch or sensor type used in alarm locks}	2047/0027	... . . . . {using centrifugal action}
2045/0655	... . . {Photo-diodes}	2047/0028	... . . . . {using electromagnetic means}
2045/066	... . . {Mercury switches}	2047/003	... . . . . {of the overload- slip- or friction type}
2045/0665	... . . {Magnetic switches, e.g. reed- or hall-switch}	2047/0031	... . . . . {of the elastic type}
2045/067	... . . {Switches triggered by inertia}	2047/0032	... . . . . {using flywheel action}
2045/0675	... . . {Foam or rubber element with contacts which close a circuit due to deformation of the element}	2047/0033	... . . . . {using electro-rheological or magneto-rheological substances}
2045/068	... . . {Piezoelectric sensors}	2047/0034	... . . . . {using materials with a volume which changes due to electrical voltage or current}
2045/0685	... . . {Optical fibres for transmitting the sensor signal}	2047/0035	... . . . {Actuators being driven in a single direction only}
2045/069	... . . {Timers therefor}	2047/0036	... . . . {Reversible actuators}
2045/0695	... . . {Actuation of a lock triggering an alarm system, e.g. an alarm system of a building}	2047/0037	... . . . {Powered actuators with automatic return to the neutral position by non-powered means, e.g. springs}
45/08	... . with contact making inside the lock or in the striking plate	47/0038	. . {using permanent magnets}
45/083	... . . {with contact making either in the striking plate or by movement of the bolt relative to the striking plate}	47/004	. . . {the magnets acting directly on the bolt}
45/086	... . . . {by transverse movement}	47/0041	. . . {with tumbler pins suspended for a pendulum movement}
45/10	... . . by introducing the key {or another object}	47/0042	. . . {with rotary magnet tumblers}
45/12	... . . by movement of the bolt {( <a href="#">E05B 45/083 takes precedence</a> )}	47/0043	. . . {Mechanical locks operated by cards having permanent magnets}
45/125	... . . . {by transverse movement}	47/0044	. . . {Cylinder locks with magnetic tumblers ( <a href="#">E05B 47/0041, E05B 47/0042 take precedence</a> )}
<b>Operation or control of locks by non-mechanical means, e.g. from a distance (locking doors simultaneously in passenger vehicles <a href="#">E05B65/36</a>; key switches <a href="#">H01H 27/00</a>)</b>		47/0045	. . . {keys with permanent magnets ( <a href="#">E05B 47/0043, E05B 47/0044, E05B 73/0052 take precedence</a> )}
47/00	<b>Operating or controlling locks or other fastening devices by electric or magnetic means (electric permutation locks <a href="#">E05B 49/00</a>)</b>	47/0046	. . . {Electric or magnetic means in the striker or on the frame; Operating or controlling the striker plate ( <a href="#">E05B 47/0696, E05B 63/248 take precedence</a> )}
47/0001	. . {with electric actuators; Constructional features thereof ( <a href="#">for vehicles E05B 81/04</a> )}	47/0047	. . . {Striker rotating about an axis parallel to the wing edge}
47/0002	. . . {with electromagnets}	2047/0048	. . . {Circuits, feeding, monitoring}
47/0003	... . . {having a movable core}	2047/005	. . . {Opening, closing of the circuit}
47/0004	... . . . {said core being linearly movable}	2047/0051	. . . . {by closing the wing}
47/0005	... . . . {said core being rotary movable}	2047/0052	. . . . {opening the circuit by detection of current increase}
47/0006	... . . . {having a non-movable core; with permanent magnet}	2047/0053	. . . . {by operating the handle}
2047/0007	... . . . {with two or more electromagnets}	2047/0054	. . . . {using microprocessor, printed circuits, or the like}
2047/0008	... . . . . {having different functions}	2047/0055	. . . . {by blowing}
47/0009	. . . {with thermo-electric actuators, e.g. heated bimetals}	2047/0056	. . . . {by sensing the presence of a person, e.g. body heat sensor}
47/0011	. . . {with piezoelectric actuators ( <a href="#">piezoelectric devices per se H10N 30/00</a> )}	2047/0057	. . . {Feeding}
47/0012	. . . {with rotary electromotors (actuators with rotary electromotors <a href="#">per se H02K 7/06, H02K 23/68</a> )}	2047/0058	. . . . {by batteries}
2047/0013	... . . {more than one motor for the same function, e.g. for redundancy or increased power}	2047/0059	. . . . {by transfer between frame and wing}
2047/0014	. . . {Constructional features of actuators or power transmissions therefor}	2047/0061	. . . . . {using induction}
2047/0015	... . . {Output elements of actuators}	2047/0062	. . . . . {by generator}
2047/0016	... . . . {with linearly reciprocating motion}	2047/0063	. . . . . {Energy transfer from key to lock, e.g. for emergency opening}
2047/0017	... . . . {with rotary motion}	2047/0064	. . . . . {by solar cells}
2047/0018	... . . . {Details of actuator transmissions}	2047/0065	. . . . . {Saving energy ( <a href="#">E05B 2047/0053, E05B 2047/0074, E05B 2047/0077, E05B 2047/0079, E05B 2047/0081 take precedence</a> )}
2047/002	... . . . {Geared transmissions}	2047/0066	. . . . . {Reduced holding current}
2047/0021	... . . . . {Geared sectors or fan-shaped gears}	2047/0067	. . . . . {Monitoring}
2047/0022	... . . . . {Planetary gears}		

2047/0068	. . . . {Door closed}	47/0634	. . . . . {with a pivotally moveable blocking element}
2047/0069	. . . . {bolt position}	47/0638	. . . . {by disconnecting the rotor}
2047/0071	. . . {Connecting lockparts by electronic communication means only, e.g. bus systems, time multiplexing}	47/0642	. . . . {axially, i.e. with an axially disengaging coupling element}
2047/0072	. . {Operation}	47/0646	. . . . {radially}
2047/0073	. . {Current to unlock only}	47/0649	. . . . {with a rectilinearly moveable coupling element}
2047/0074	. . . . {holding means other than current (mechanical, magnetic)}	47/0653	. . . . . {with a pivotally moveable coupling element}
2047/0075	. . . . {locked by gravity}	47/0657	. . . {by locking the handle, spindle, follower or the like}
2047/0076	. . . {Current to lock only, i.e. "fail-safe"}	47/0661	. . . . {axially, i.e. with an axially engaging blocking element}
2047/0077	. . . . {holding means other than current}	47/0665	. . . . {radially}
2047/0078	. . . . {unlocked by gravity}	47/0669	. . . . . {with a pivotally moveable blocking element}
2047/0079	. . . . {Bi-stable electromagnet(s), different pulse to lock or unlock}	47/0673	. . . . . {with a rectilinearly moveable blocking element}
2047/0081	. . . {Same pulse to lock or unlock}	47/0676	. . . {by disconnecting the handle}
2047/0082	. . . {Induction for charging or current transformation}	47/068	. . . . {axially, i.e. with an axially disengaging coupling element}
2047/0083	. . . {Devices of electrically driving keys, e.g. to facilitate opening}	47/0684	. . . . {radially}
2047/0084	. . . {Key or electric means; Emergency release}	47/0688	. . . . . {with a pivotally moveable coupling element}
2047/0085	. . . {Key and electromagnet}	47/0692	. . . . . {with a rectilinearly moveable coupling element}
2047/0086	. . . {Emergency release, e.g. key or electromagnet ( <a href="#">E05B 63/0073 takes precedence</a> )}	47/0696	. . . {locking the bolt by an electromagnet in the striker}
2047/0087	. . . . {Electric spare devices, e.g. auxiliary batteries or capacitors for back up}	<b>49/00</b>	<b>Electric permutation locks; Circuits therefor {;</b> <b>Mechanical aspects of electronic locks; Mechanical keys therefor (arrangements for sensing or reading record carriers <a href="#">G06K 7/00</a>; mechanisms including electronic locks actuated by nonmechanical keys such as passive and active electrical keys and other data carriers <a href="#">G07C 9/00</a>, <a href="#">G07F 7/00</a>; electronic switching <a href="#">H03K 17/00</a>)}</b>
2047/0088	. . . {Key-operated switch}	49/002	. . {Keys with mechanical characteristics, e.g. notches, perforations, opaque marks}
2047/0089	. . . {with electronic learning functions}	49/004	. . . {actuating mechanical switches}
2047/0091	. . . {Retrofittable electric locks, e.g. an electric module can be attached to an existing manual lock}	49/006	. . . {actuating opto-electronic devices}
2047/0092	. . {including means for preventing manipulation by an external magnetic field, e.g. preventing opening by using a strong magnet}	49/008	. . . . {by alignment of movable perforated parts, e.g. perforated tumblers}
2047/0093	. . {including means for preventing manipulation by external shocks, blows or the like}	<b>51/00</b>	<b>Operating or controlling locks or other fastening devices by other non-mechanical means</b>
2047/0094	. . . {Mechanical aspects of remotely controlled locks}	51/005	. . {by a bimetallic or memory-shape element ( <a href="#">heated by electricity E05B 47/0009; for panic door actuation E05B 65/104</a> )}
2047/0095	. . . {Mechanical aspects of locks controlled by telephone signals, e.g. by mobile phones}	51/02	. . {by pneumatic or hydraulic means ( <a href="#">(E05B 17/0029 takes precedence)</a> )}
2047/0096	. . . {Mechanical aspects of locks whose actuation is dependent on geographical location, e.g. by means of a GPS system}	51/023	. . . {actuated in response to external pressure, blast or explosion ( <a href="#">E05B 65/102 takes precedence</a> )}
2047/0097	. . {including means for monitoring voltage, e.g. for indicating low battery state}	2051/026	. . . {with manually generated fluid pressure}
2047/0098	. . {Arrangements for grounding electrical locks or elements thereof, e.g. for avoiding shocks or failure due to static electricity}	<b>53/00</b>	<b>Operation or control of locks by mechanical transmissions, e.g. from a distance</b>
47/02	. . {Movement of the bolt by electromagnetic means}; Adaptation of locks, latches, or parts thereof, for movement of the bolt by electromagnetic means ( <a href="#">(by means in the striker E05B 63/248)</a> )	53/001	. . {Foot-operation}
47/023	. . . {the bolt moving pivotally or rotatively}	53/003	. . {flexible}
47/026	. . . {the bolt moving rectilinearly}	53/005	. . . {Bowden}
47/06	. . Controlling mechanically-operated bolts by electro-magnetically-operated detents	53/006	. . . {of ball-train type}
47/0603	. . . {the detent moving rectilinearly}	53/008	. . . {by planetary gears}
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}		

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

<b>55/00</b>	<b>Locks in which a sliding latch is used also as a locking bolt</b>	63/0078 . . . {allowing opening with key from outside, even with key inserted from inside ( <a href="#">E05B 9/10 takes precedence</a> )} 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}
55/005	. . {Cylindrical or tubular locks}	63/02 . without springs
55/06	. the handle being disconnected {( <a href="#">E05B 13/101, E05B 47/0676 take precedence</a> )}	63/04 . for alternative use on the right-hand or left-hand side of wings
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}	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 {( <a href="#">mortised work B27F 5/12</a> )}
<b>57/00</b>	<b>Locks in which a pivoted latch is used also as locking means</b>	63/10 . . requiring only two cylindrical holes in the wing 63/12 . with means carried by the bolt for interlocking with the keeper
<b>59/00</b>	<b>Locks with latches separate from the lock-bolts or with a plurality of latches or lock-bolts</b>	63/121 . . {using balls or the like cooperating with notches} 63/122 . . {with transverse, i.e. vertically movable bolt or dropbolt ( <a href="#">E05B 63/126 takes precedence</a> )} 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 ( <a href="#">E05B 63/121 takes precedence</a> )} 63/127 . . {the bolt having an additional rotating bolt or movement} 63/128 . . {with additional bolt in the striker (electric <a href="#">E05B 47/0696</a> )}
<b>61/00</b>	<b>Other locks with provision for latching</b>	63/14 . Arrangement of several locks or locks with several bolts, e.g. arranged one behind the other { <a href="#">locks having bolts with multiple head E05B 15/108;}</a> with provision for latching <a href="#">E05B 59/00, E05B 61/00</a> } 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 { <a href="#">or latch</a> } in the retracted position 63/185 . . {Preventing actuation of a bolt when the wing is open ( <a href="#">E05B 63/20 takes precedence, similar safety devices E05D 15/526</a> )} 63/20 . . released automatically when the wing is closed { <a href="#">(for panic door locks of the vertical rod type E05B 65/1013)</a> }
63/004	. {Additional locks added to existing lock arrangements}	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}
63/0008	. . {Mounted on the hinged side of the wing}	2063/207 . . . {Automatic deadlocking}
63/0013	. {Locks with rotary bolt without provision for latching}	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 <a href="#">E05C 19/02</a> )}
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}	
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 ( <a href="#">cylinder locks E05B 27/0085, E05B 29/0073</a> )}	
63/0052	. {Locks mounted on the "frame" cooperating with means on the "wing" ( <a href="#">E05B 47/0046, E05B 65/0829, E05B 65/0847, E05B 65/0882 take precedence</a> )} 63/0056 . {Locks with adjustable or exchangeable lock parts (adjustable strikers <a href="#">E05B 15/024</a> ; adjustable to different keys <a href="#">E05B 35/083</a> ; adjustable bolt or backset <a href="#">E05B 63/06</a> ; adjustable coupling means for bars, rods, cables <a href="#">E05C 9/20</a> )}	
63/006	. . {for different door thicknesses ( <a href="#">E05B 9/045 takes precedence</a> ; for fastening handles to lock or latch parts <a href="#">E05B 3/00</a> )}	
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 ( <a href="#">E05B 65/1086, E05B 9/105 take precedence</a> ; by movable striker <a href="#">E05B 63/246</a> )}	
63/0073	. . . {by withdrawal of the entire lock unit}	

63/24	<ul style="list-style-type: none"> <li>• 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 (<i>operating or controlling locks using electric or magnetic means in the striker or on the frame E05B 47/0046</i>, adaptation of locks locking the bolt by an electromagnet in the striker <i>E05B 47/0696</i>, locks with means carried by the bolt for interlocking with the keeper and having additional bolt in the striker <i>E05B 63/128</i>;) hasp locks <i>E05B 65/48</i>)</li> </ul>	65/0089 . {for utility meters or the like}
63/242	<ul style="list-style-type: none"> <li>• . {Auxiliary bolts on the frame, actuated by bolts on the wing, or <i>vice versa</i>}</li> </ul>	65/0092 . {for wardrobe trunks}
63/244	<ul style="list-style-type: none"> <li>• . {the striker being movable for latching, the bolt for unlatching, or <i>vice versa</i>}</li> </ul>	2065/0096 . {Locks for sport stadiums}
63/246	<ul style="list-style-type: none"> <li>• . . {Emergency release from inside by releasing the striker}</li> </ul>	65/02 . for thin, hollow, or thin-metal wings
63/248	<ul style="list-style-type: none"> <li>• . . {the striker being movable for latching, and pushed back by a member on the wing for unlatching, or <i>vice versa</i>}</li> </ul>	65/025 . . {for lockers}
<b>65/00</b>	<b>Locks [or fastenings] for special use</b>	65/06 . for swing doors {or windows, i.e. opening inwards and outwards}
65/0003	<ul style="list-style-type: none"> <li>• {for locking a plurality of wings, e.g. simultaneously (<i>E05B 65/0017</i>, <i>E05B 77/46</i>, <i>E05B 65/462</i>, <i>E05C 7/00</i> take precedence)}</li> </ul>	65/08 . for sliding wings
65/0007	<ul style="list-style-type: none"> <li>• {for gates (<i>for wire gates E06B 11/021</i>)}</li> </ul>	2065/0805 . . . {with a handle operating in both directions}
65/001	<ul style="list-style-type: none"> <li>• {for gas- or watertight wings}</li> </ul>	65/0811 . . . {the bolts pivoting about an axis perpendicular to the wings}
65/0014	<ul style="list-style-type: none"> <li>• {to prevent opening by children (<i>E05B 13/00</i> takes precedence; child-proof container closures <i>B65D 50/00</i>)}</li> </ul>	65/0817 . . . . {with additional movement, e.g. toggle, overcenter, eccentric}
65/0017	<ul style="list-style-type: none"> <li>• {Jail locks}</li> </ul>	65/0823 . . . . {cooperating with the slide guide, e.g. the rail}
65/0021	<ul style="list-style-type: none"> <li>• {for overhead or roll-up doors, e.g. garage doors}</li> </ul>	65/0829 . . . . {mounted on the slide guide, e.g. the rail}
65/0025	<ul style="list-style-type: none"> <li>• {for glass wings}</li> </ul>	65/0835 . . . . {the bolts pivoting about an axis parallel to the wings}
65/0028	<ul style="list-style-type: none"> <li>• {for narrow-stile wings}</li> </ul>	65/0841 . . . . {and parallel to the sliding direction of the wings}
65/0032	<ul style="list-style-type: none"> <li>• {for hotel rooms (<i>electronic G07C 9/00904</i>)}</li> </ul>	65/0847 . . . . {mounted on the slide guide, e.g. the rail ( <i>E05B 65/0841</i> takes precedence)}
65/0035	<ul style="list-style-type: none"> <li>• {for privacy rooms, e.g. bathrooms}</li> </ul>	65/0852 . . . . {with a bolt under compression force}
2065/0039	<ul style="list-style-type: none"> <li>• . {with emergency release}</li> </ul>	65/0858 . . . . {comprising simultaneously pivoting double hook-like locking members}
65/0042	<ul style="list-style-type: none"> <li>• {For refrigerators or cold rooms (<i>E05B 17/0075</i> takes precedence; magnetic <i>E05C 19/16</i>)}</li> </ul>	65/0864 . . . . {the bolts sliding perpendicular to the wings}
65/0046	<ul style="list-style-type: none"> <li>• . . {with a bifurcated bolt}</li> </ul>	65/087 . . . . {the bolts sliding parallel to the wings}
65/005	<ul style="list-style-type: none"> <li>• . . {with sliding bolt}</li> </ul>	65/0876 . . . . {cooperating with the slide guide, e.g. the rail}
65/0053	<ul style="list-style-type: none"> <li>• . . {with safety release from inside (by releasing the striker <i>E05B 63/246</i>; similar means for safe doors <i>E05B 65/0078</i>)}</li> </ul>	65/0882 . . . . {mounted on the slide guide, e.g. the rail}
65/0057	<ul style="list-style-type: none"> <li>• {for caskets, coffins or burial vaults (<i>coffins in general A61G 17/02</i>)}</li> </ul>	65/0888 . . . . {Locking bars}
65/006	<ul style="list-style-type: none"> <li>• {for covers or panels (<i>for manholes E02D 29/1427</i>; for holes enabling access to installations in buildings <i>E04F 19/08</i>; for pressure vessels <i>F16J 13/00</i>)}</li> </ul>	65/0894 . . . . {Portable or removable locks ( <i>E05B 65/0864</i> , <i>E05B 65/0888</i> take precedence)}
65/0064	<ul style="list-style-type: none"> <li>• . . {for openings in masts}</li> </ul>	65/10 . for panic or emergency doors
65/0067	<ul style="list-style-type: none"> <li>• . . {for portable computers, e.g. for locking the screen panel to the keyboard panel}</li> </ul>	65/1006 . . . {of the vertical rod type}
65/0071	<ul style="list-style-type: none"> <li>• {for revolving doors}</li> </ul>	65/1013 . . . . {Trigger means for holding the bolt in the retracted position and releasing the bolt when the door is closed}
65/0075	<ul style="list-style-type: none"> <li>• {for safes, strongrooms, vaults, fire-resisting cabinets or the like (safes, closures and fastenings therefor <i>E05G</i>)}</li> </ul>	65/102 . . . {opening under pressure on the surface of the door itself ( <i>E05C 19/02</i> takes precedence)}
65/0078	<ul style="list-style-type: none"> <li>• . . {Safety means for persons trapped within the safe, e.g. release from inside, venting means (by releasing the striker <i>E05B 63/246</i>; similar means for refrigerator or cold-room doors <i>E05B 65/0053</i>)}</li> </ul>	65/1026 . . . . {by a yieldable or breakable bolt or striker}
65/0082	<ul style="list-style-type: none"> <li>• . . {with additional locking responsive to attack, e.g. to heat, explosion (in general <i>E05B 17/2092</i>)}</li> </ul>	65/1033 . . . . {emergency release of windows, window grills, escape hatches or the like}
65/0085	<ul style="list-style-type: none"> <li>• {for folding wings, e.g. bi-fold wings}</li> </ul>	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 from 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 ( <i>for drawers E05B 65/46</i> )}
		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	67/26	. . . . . with screw action, with or without the shackle being moved by turning the key
65/464	. . . . . comprising two or more lock elements aligned in end-to-end abutting relation	67/28	. . Padlocks with shackles forming a circle
65/465	. . . . . with rotary locking bars	67/32	. . Padlocks with pincer-like shackles
65/466	. . . . . with tensionable or flexible elements, e.g. cables, bands, chains or ropes	67/36	. . Padlocks with closing means other than shackles {; <i>Removable locks, the lock body itself being the locking element; Padlocks consisting of two separable halves or cooperating with a stud</i> }
65/467	. . . Locking bars secured in front of the drawers	67/365	. . . {with locking means in the form of balls or rollers}
65/468	. . . using rotary locking bars ( <a href="#">E05B 65/465</a> , <a href="#">E05B 65/467</a> take precedence)	67/38	. Auxiliary or protective devices {( <i>weather protection E05B 17/002; armoured cases E05B 67/04</i> )}
2065/469	. . . {for drawers which can be opened from both sides}	67/383	. . . {Staples or the like for padlocks; Lock slings; Arrangements on locks to cooperate with padlocks}
65/48	. Hasp locks ( <i>hasp fastenings other than locks E05C 19/08</i> )	2067/386	. . . {Padlock holders}
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}	<b>69/00</b>	<b>Devices for locking clothing; Lockable clothing holders or hangers</b>
65/5215	. . . {sliding}	69/003	. {for locking shoes against removal}
65/5223	. . . . . {perpendicular to the surface on which the lock is mounted}	69/006	. {Lockable hangers or hanger racks}
65/523	. . . . . {parallel to the surface on which the lock is mounted}	69/02	. Lockable clothing hooks ( <i>coin-controlled locking hooks G07F 17/10</i> )
65/5238	. . . . . {parallel to the wing edge}	<b>71/00</b>	<b>Locks specially adapted for bicycles, other than padlocks</b> { <i>locks integral with holders for parking or storing bicycles B62H 3/00; locks integral with cycles B62H 5/00</i> }
65/5246	. . . . {rotating}	<b>73/00</b>	<b>Devices for locking portable objects against unauthorised removal; Miscellaneous locking devices</b> {( <i>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 41/00</i> )}
65/5253	. . . . . {about an axis perpendicular to the surface on which the lock is mounted}	73/0005	. {using chains, cables or the like (chain- or cable-locks of the padlock type <a href="#">E05B 67/003</a> ; lockable clothing hangers or hanger racks <a href="#">E05B 69/006</a> )}
65/5261	. . . . . {with simultaneously operating double bolts}	73/0011	. . . {with retraction of the flexible element for storage ( <a href="#">E05B 73/0029</a> takes precedence; for padlocks <a href="#">E05B 67/006</a> )}
65/5269	. . . . . {about an axis parallel to the surface on which the lock is mounted}	73/0017	. . {Anti-theft devices, e.g. tags or monitors, fixed to articles, e.g. clothes, and to be removed at the check-out of shops}
65/5276	. . . . . {parallel to the wing edge}	73/0023	. . . {Containers, boxes, cases or the like, e.g. for compact discs or video-cassettes, specially adapted therefor}
65/5284	. . . {in which a movable latch is passed through a staple loop ( <i>similar fasteners for buckles A44B 11/00</i> )}	73/0029	. . . {Tags wrapped around the protected product using cables, wires or the like, e.g. with cable retraction for tensioning}
65/5292	. . . {Gravity - or orientation sensitive mechanisms, e.g. to prevent opening when wrongside-up}	73/0035	. . . {for eyeglasses or spectacles}
<b>67/00</b>	<b>Padlocks (permutation locks <a href="#">E05B 37/00</a>); Details thereof</b>	73/0041	. . . {for essentially round objects, e.g. bottles or racket handles}
67/003	. {Chain, wire or cable locks ( <i>alarms therefor E05B 45/005; E05B 69/006 takes precedence</i> )}	73/0047	. . . {Unlocking tools; Decouplers}
67/006	. . . {with retraction of the cable for storage ( <a href="#">E05B 73/0029</a> takes precedence; for devices mounted to a fixed surface or a portable object <a href="#">E05B 73/0011</a> )}	73/0052	. . . . {of the magnetic type}
67/02	. Cases	73/0058	. . . . {for essentially box-shaped devices}
2067/025	. . . {Bumpers}	73/0064	. . . . {of the mechanical type}
67/04	. . . Armoured cases { <i>(parts of the casing protecting the shackle <a href="#">E05B 67/38</a>)</i> }		
67/06	. . . Shackles; Arrangement of the shackle		
67/063	. . . {Padlocks with removable shackles}		
2067/066	. . . {Shackle extensions}		
67/08	. . . 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		

73/007	. {for boats, surfboards or parts or accessories thereof}	77/34	. Protection against weather or dirt, e.g. against water ingress ( <a href="#">closures or guards for keyholes E05B 17/14</a> )
73/0076	. . {outboard motors or propellers}	77/36	. Noise prevention; Anti-rattling means
73/0082	. {for office machines, e.g. PC's, portable computers, typewriters, calculators}	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
2073/0088	. . {being lockable or unlockable by means of the office machine itself, e.g. by its keyboard}	77/40	. . Lock elements covered by silencing layers, e.g. coatings
73/0094	. {for skate-boards}	77/42	. Means for damping the movement of lock parts, e.g. slowing down the return movement of a handle ( <a href="#">E05B 77/38 takes precedence</a> )
73/02	. for walking-sticks or umbrellas {( <a href="#">locks integral with walking sticks A45B 1/04</a> )}	77/44	. Burglar prevention, e.g. protecting against opening by unauthorised tools ( <a href="#">E05B 77/28 takes precedence</a> )
<b>75/00</b>	<b>Handcuffs {; Finger cuffs; Leg irons; Handcuff holsters; Means for locking prisoners in automobiles (retaining devices for the body or body parts A61F 5/37)}</b>	77/46	. Locking several wings simultaneously
75/005	. {Handcuff holders, e.g. for storage}	77/45	. . {Automatic locking when all passengers have left the vehicle}
<b>Locks for vehicles other than bicycles</b>			
<b>77/00</b>	<b>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)</b>	77/48	. . by electrical means
77/02	. for accident situations	77/50	. . by pneumatic or hydraulic means
77/04	. . Preventing unwanted lock actuation, e.g. unlatching, at the moment of collision	77/52	. Locking one wing by shutting another
77/06	. . . by means of inertial forces	77/54	. Automatic securing or unlocking of bolts triggered by certain vehicle parameters, e.g. exceeding a speed threshold ( <a href="#">triggered by vehicle collision E05B 77/12</a> )
77/08	. . Arrangements for protection of pedestrians	<b>79/00</b>	<b>Mounting or connecting vehicle locks or parts thereof</b>
77/10	. . Allowing opening in case of deformed bodywork, e.g. by preventing deformation of lock parts	79/02	. Mounting of vehicle locks or parts thereof
77/12	. . Automatic locking or unlocking at the moment of collision	79/04	. . Mounting of lock casings to the vehicle, e.g. to the wing
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	79/06	. . Mounting of handles, e.g. to the wing or to the lock
77/16	. . Preventing locking with the bolt in the unlatched position, i.e. when the door is open	79/08	. . Mounting of individual lock elements in the lock, e.g. levers
77/18	. . Keyless locking with self-cancellation, e.g. resulting in an unlocking action when the door is being closed	79/10	. . Connections between movable lock parts
77/20	. . . Override of self-cancellation, e.g. by actuation of the handle while the door is being closed	79/12	. . . using connecting rods
77/22	. Functions related to actuation of locks from the passenger compartment of the vehicle	79/14	. . . . the rods being linked to each other
77/24	. . preventing use of an inner door handle, sill button, lock knob or the like	79/16	. . . . characterised by the means for linking the rods to other lock parts, e.g. to levers
77/245	. . . {by blocking the movement of a movable element}	79/18	. . . Rod guides
77/26	. . . specially adapted for child safety	79/20	. . . using flexible connections, e.g. Bowden cables
77/265	. . . . {hand actuated, e.g. by a lever at the edge of the door}	79/22	. . . Operative connections between handles, sill buttons or lock knobs and the lock unit ( <a href="#">mounting of non-movable base elements of a handle to a lock E05B 79/06</a> )
77/28	. . . for anti-theft purposes, e.g. double-locking or super-locking	<b>81/00</b>	<b>Power-actuated vehicle locks</b>
77/283	. . . . {initiated by hand actuation, e.g. by using a mechanical key}	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}
77/287	. . . . {Prevention or overriding of a super-lock condition, e.g. for preventing being trapped in the vehicle}	81/02	. characterised by the type of actuators used
77/30	. . allowing opening by means of an inner door handle, even if the door is locked	81/04	. . Electrical ( <a href="#">electrical circuits E05B 81/54</a> )
77/32	. allowing simultaneous actuation of locking or unlocking elements and a handle, e.g. preventing interference between an unlocking and an unlatching action	81/05	. . . {moving in one direction only}

81/14	. . . operating on bolt detents, e.g. for unlatching the bolt	81/82	. . . using batteries other than the vehicle main battery
81/15	. . . {with means preventing the detent to return to its latching position before the bolt has moved to the unlatched position}	81/84	. . . using manually operated generator means
81/16	. . . operating on locking elements for locking or unlocking action	81/86	. . . using capacitors
81/18	. . . to effect movement of a bolt or bolts ( <a href="#">E05B 81/20 takes precedence</a> )	81/88	. . . using inductive energy transmission
81/20	. . . for assisting final closing or for initiating opening	81/90	. . . Manual override in case of power failure
81/21	. . . {with means preventing or detecting pinching of objects or body parts}	<b>83/00</b>	<b>Vehicle locks specially adapted for particular types of wing or vehicle (locks specially adapted for bicycles <a href="#">E05B 71/00</a>; locking arrangements for non-fixed vehicle roofs <a href="#">B60J 7/185</a>; latching means for sideboards or tailgates of open load compartments <a href="#">B62D 33/037</a>)</b>
81/22	. . . by movement of the striker	83/01	. . . {Locks for military or armoured vehicles}
81/24	. characterised by constructional features of the actuator or the power transmission	83/02	. Locks for railway freight-cars, freight containers or the like; Locks for the cargo compartments of commercial lorries, trucks or vans
81/25	. . . {Actuators mounted separately from the lock and controlling the lock functions through mechanical connections}	83/04	. . . for sliding wings
81/26	. . . Output elements	83/06	. . . of railway freight-cars
81/28	. . . Linearly reciprocating elements	83/08	. . . with elongated bars for actuating the fastening means
81/30	. . . Rotary elements	83/10	. . . Rotary bars
81/32	. . . Details of the actuator transmission	83/12	. . . for back doors of vans ( <a href="#">E05B 83/04</a> , <a href="#">E05B 83/08 take precedence</a> )
81/34	. . . of geared transmissions	83/14	. . . with provisions for sealing
81/36	. . . . Geared sectors, e.g. fan-shaped gears	83/16	. Locks for luggage compartments, car boot lids or car bonnets
81/38	. . . . Planetary gears	83/18	. . . for car boot lids or rear luggage compartments
81/40	. . . Nuts or nut-like elements moving along a driven threaded axle	83/20	. . . . with two or more wings, which together close a single compartment
81/42	. . . Cams	83/22	. . . for luggage compartments at the side of the vehicle, e.g. of buses or camper vans
81/44	. . . . in the form of grooves	83/24	. . . for car bonnets
81/46	. . . Clutches	83/243	. . . . {Hood clamps, i.e. individually actuated, usually yielding hooks}
81/48	. . . Actuators being driven in a single direction	83/247	. . . . {Simultaneously actuated fasteners at separated positions}
81/50	. . . Powered actuators with automatic return to the neutral position by non-powered means, e.g. by springs	83/26	. . . Emergency opening means for persons trapped in the luggage compartment
81/52	. Pneumatic or hydraulic circuits ( <a href="#">for locking several wings simultaneously E05B 77/50</a> )	83/28	. Locks for glove compartments, console boxes, fuel inlet covers or the like
81/54	. Electrical circuits ( <a href="#">for locking several wings simultaneously E05B 77/48</a> )	83/30	. . . for glove compartments
81/56	. . . Control of actuators	83/32	. . . for console boxes, e.g. between passenger seats
81/58	. . . including time control, e.g. for controlling run-time of electric motors	83/34	. . . for fuel inlet covers essentially flush with the vehicle surface
81/60	. . . using pulse control, e.g. pulse-width modulation	83/36	. Locks for passenger or like doors
81/62	. . . for opening or closing of a circuit depending on electrical parameters, e.g. increase of motor current	83/363	. . . . {for railway vehicles ( <a href="#">E05B 77/54 takes precedence</a> )} . . . {with centering alignment pin}
81/64	. . . Monitoring or sensing, e.g. by using switches or sensors	83/367	. . . for pillar-less vehicles, i.e. vehicles where a front and a back door engage each other in the closed position
81/66	. . . the bolt position, i.e. the latching status	83/38	. . . for sliding doors
81/68	. . . . by sensing the position of the detent	83/40	. . . for large commercial vehicles, e.g. trucks, construction vehicles or vehicles for mass transport
81/70	. . . . the wing position	83/42	. . . for recreational vehicles, e.g. caravans or camper vans
81/72	. . . . the lock status, i.e. locked or unlocked condition	<b>85/00</b>	<b>Details of vehicle locks not provided for in groups <a href="#">E05B 77/00 - E05B 83/00</a></b>
81/74	. . . . by sensing the state of the actuator	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 <a href="#">E05B 81/78</a> })
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		

- 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