

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 26

DATE: JULY 1, 2014

PROJECT RP0068

The following classification changes will be effected by this order:

Action*	Subclass	Group(s)
Title Change:	E05B	77/00 - 85/28
	B60R	25/00
	B61D	19/00
Scheme Notes to be added/modified/deleted:	E05B (after subclass)	

This order includes the following *[Check the ones included]:*

1. CLASSIFICATION SCHEME CHANGES
 - A. New, Deleted, and Modified group(s)
 - B. New, Deleted, and Modified Warning Notice(s)
 - C. New, Deleted, and Modified Note(s)
2. DEFINITIONS
 - A. New Definitions
 - B. Deleted and Modified Definitions
3. REVISION CONCORDANCE LIST (RCL)
4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5. CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Deleted, and Modified group(s)

SUBCLASS B60R

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u>	<u>Title</u>
M	B60R 25/00		Fittings or systems for preventing or indicating unauthorised use or theft of vehicles (locks for vehicles E05B 77/00-E05B 85/00)

SUBCLASS B61D

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u>	<u>Title</u>
M	B61D 19/00		Door arrangements specially adapted for rail vehicles (locks for vehicles E05B 77/00-E05B 85/00; door-operating mechanisms E05F)

SUBCLASS E05B - TITLE

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u>	<u>Title</u>
M	E05B 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)
N	Guidance heading E05B 77/00- E05B 85/00		Locks for vehicles other than bicycles
M	E05B 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)
M	E05B 77/02	.	for accident situations
M	E05B 77/04	..	Preventing unwanted lock actuation, e.g. unlatching, at the moment of collision
M	E05B 77/06	...	by means of inertial forces
M	E05B 77/08	..	Arrangements for protection of pedestrians
M	E05B 77/10	..	Allowing opening in case of deformed bodywork, e.g. by preventing deformation of lock parts
M	E05B 77/12	..	Automatic locking or unlocking at the moment of collision
M	E05B 77/14	.	Specially controlled locking actions in case of open doors or in

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			case of doors moved from an open to a closed position, e.g. lock-out prevention or self-cancelling
M	E05B 77/16	..	Preventing locking with the bolt in the unlatched position, i.e. when the door is open
M	E05B 77/18	..	Keyless locking with self-cancellation, e.g. resulting in an unlocking action when the door is being closed
M	E05B 77/20	...	Override of self-cancellation, e.g. by actuation of the handle while the door is being closed
M	E05B 77/22	.	Functions related to actuation of locks from the passenger compartment of the vehicle
M	E05B 77/24	..	preventing use of an inner door handle, sill button, lock knob or the like
M	E05B 77/28	...	for anti-theft purposes, e.g. double-locking or super-locking
M	E05B 77/30	..	allowing opening by means of an inner door handle, even if the door is locked
M	E05B 77/32	.	allowing simultaneous actuation of locking or unlocking elements and a handle, e.g. preventing interference between an unlocking and an unlatching action
M	E05B 77/34	.	Protection against weather or dirt, e.g. against water ingress (closures or guards for keyholes E05B 17/14)
M	E05B 77/36	.	Noise prevention; Anti-rattling means
M	E05B 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
M	E05B 77/40	..	Lock elements covered by silencing layers, e.g. coatings
M	E05B 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)
M	E05B 77/44	.	Burglar prevention, e.g. protecting against opening by unauthorised tools (E05B 77/28 takes precedence)
M	E05B 77/46	.	Locking several wings simultaneously
M	E05B 77/48	..	by electrical means
M	E05B 77/50	..	by pneumatic or hydraulic means
M	E05B 77/52	.	Locking one wing by shutting another
M	E05B 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)
M	E05B 79/00		Mounting or connecting vehicle locks or parts thereof
M	E05B 79/02	.	Mounting of vehicle locks or parts thereof
M	E05B 79/04	..	Mounting of lock casings to the vehicle, e.g. to the wing
M	E05B 79/06	..	Mounting of handles, e.g. to the wing or to the lock
M	E05B 79/08	..	Mounting of individual lock elements in the lock, e.g. levers
M	E05B 79/10	.	Connections between movable lock parts
M	E05B 79/12	..	using connecting rods
M	E05B 79/14	...	the rods being linked to each other
M	E05B 79/16	...	characterised by means for linking the rods to other lock parts, e.g. to levers
M	E05B 79/18	...	Rod guides
M	E05B 79/20	..	using flexible connections, e.g. Bowden cables
M	E05B 79/22	..	Operative connections between handles, sill buttons or lock knobs and the lock unit (mounting of non-movable base elements of a handle to a lock E05B 79/06)

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M	E05B 81/00		Power-actuated vehicle locks
M	E05B 81/02	.	characterised by the type of actuators used
M	E05B 81/04	..	Electrical (electrical circuits E05B 81/54)
M	E05B 81/06	...	using rotary motors
M	E05B 81/08	...	using electromagnets or solenoids
M	E05B 81/10	..	Hydraulic or pneumatic (hydraulic or pneumatic circuits E05B 81/52)
M	E05B 81/12	.	characterised by the function or purpose of the powered actuators
M	E05B 81/14	..	operating on bolt detents, e.g. for unlatching the bolt
M	E05B 81/16	..	operating on locking elements for locking or unlocking action
M	E05B 81/18	..	to effect movement of bolts (E05B 81/20 takes precedence)
M	E05B 81/20	..	for assisting final closing or for initiating opening
M	E05B 81/22	...	by movement of the striker
M	E05B 81/24	.	characterised by constructional features of the actuator or the power transmission
M	E05B 81/26	..	Output elements
M	E05B 81/28	...	Linearly reciprocating elements
M	E05B 81/30	...	Rotary elements
M	E05B 81/32	..	Details of the actuator transmission
M	E05B 81/34	...	of geared transmissions
M	E05B 81/36	....	Geared sectors, e.g. fan-shaped gears
M	E05B 81/38	....	Planetary gears
M	E05B 81/40	...	Nuts or nut-like elements moving along a driven threaded axle
M	E05B 81/42	...	Cams
M	E05B 81/44	....	in the form of grooves
M	E05B 81/46	...	Clutches
M	E05B 81/48	..	Actuators being driven in a single direction
M	E05B 81/50	..	Powered actuators with automatic return to the neutral position by non-powered means, e.g. by springs
M	E05B 81/52	.	Pneumatic or hydraulic circuits (for locking several wings simultaneously E05B 77/50)
M	E05B 81/54	.	Electrical circuits (for locking several wings simultaneously E05B 77/48)
M	E05B 81/56	..	Control of actuators
M	E05B 81/58	...	involving time control, e.g. for controlling run-time of electric motors
M	E05B 81/60	...	using pulse control, e.g. pulse-width modulation
M	E05B 81/62	...	for opening or closing of a circuit depending on electrical parameters, e.g. increase of motor current
M	E05B 81/64	..	Monitoring or sensing, e.g. by using switches or sensors
M	E05B 81/66	...	the bolt position, i.e. the latching status
M	E05B 81/68	....	by sensing the position of the detent
M	E05B 81/70	...	the wing position
M	E05B 81/72	...	the lock status, i.e. locked or unlocked condition
M	E05B 81/74	....	by sensing the state of the actuator
M	E05B 81/76	...	Detection of handle operation; Detection of a user approaching a handle; Electrical switching actions performed by handles
M	E05B 81/78	....	as part of a hands-free locking or unlocking operation
M	E05B 81/80	..	characterised by the power supply; Emergency power operation
M	E05B 81/82	...	using batteries other than the vehicle main battery

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M	E05B 81/84	...	using manually operated generator means
M	E05B 81/86	...	using capacitors
M	E05B 81/88	...	using inductive energy transmission
M	E05B 81/90	.	Manual override in case of power failure
M	E05B 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)
M	E05B 83/02	.	Locks for railway freight-cars, freight containers or the like; Locks for the cargo compartments of commercial lorries, trucks or vans
M	E05B 83/04	..	for sliding wings
M	E05B 83/06	...	of railway freight-cars
M	E05B 83/08	..	with elongated bars for actuating the fastening means
M	E05B 83/10	...	Rotary bars
M	E05B 83/12	..	for back doors of vans (E05B 83/04, E05B 83/08 take precedence)
M	E05B 83/14	..	with provisions for sealing
M	E05B 83/16	.	Locks for luggage compartments, car boot lids or car bonnets
M	E05B 83/18	..	for car boot lids or rear luggage compartments
M	E05B 83/20	...	with two or more wings, which together close a single compartment
M	E05B 83/22	..	for luggage compartments at the side of the vehicle, e.g. of buses or camper vans
M	E05B 83/24	..	for car bonnets
M	E05B 83/28	.	Locks for glove compartments, console boxes, fuel inlet covers or the like
M	E05B 83/30	..	for glove compartments
M	E05B 83/32	..	for console boxes, e.g. between passenger seats
M	E05B 83/34	..	for fuel inlet covers essentially flush with the vehicle surface
M	E05B 83/38	..	for pillar-less vehicles, i.e. vehicles where a front and a back door engage each other in the closed position
M	E05B 83/40	..	for sliding doors
M	E05B 83/42	..	for large commercial vehicles, e.g. trucks, construction vehicles or vehicles for mass transport
M	E05B 83/44	..	for recreational vehicles, e.g. caravans or camper vans
M	E05B 85/00		Details of vehicle locks not provided for in groups E05B 77/00-E05B 83/00
M	E05B 85/02	.	Lock casings (mounting of lock casings E05B 79/04)
M	E05B 85/04	.	Strikers
M	E05B 85/06	.	Lock cylinder arrangements
M	E05B 85/08	.	Sill-buttons, garnish buttons or inner door lock knobs
M	E05B 85/10	.	Handles
M	E05B 85/12	..	Inner door handles
M	E05B 85/14	..	Handles pivoted about an axis parallel to the wing
M	E05B 85/16	...	a longitudinal grip part being pivoted at one end about an axis perpendicular to the longitudinal axis of the grip part
M	E05B 85/18	...	a longitudinal grip part being pivoted about an axis parallel to the longitudinal axis of the grip part
M	E05B 85/20	.	Bolts or detents

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M	E05B 85/22	..	Rectilinearly moving bolts
M	E05B 85/24	..	Bolts rotating about an axis
M	E05B 85/26	...	Cooperation between bolts and detents
M	E05B 85/28	...	in which the member engaging the keeper is shaped as a toothed wheel or the like

*N = new entries, C = entries with modified file scope, M = subclasses or groups do not impact the file scope, **M {-}** removing the brackets from the titles, D = deleted entries, U = entries that are unchanged, but presented in order to show the hierarchy of the scheme to simplify understanding.

B. New, Deleted, and Modified Note(s)

SUBCLASS E05B - TITLE

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
N	E05B		1. <i>Operating or controlling of locks for vehicle wings are classified in groups E05B 77/00-E05B 81/00. [new]</i>
N	E05B		2. <i>Knobs, handles or press buttons for locks of vehicle wings are classified in groups E05B 79/00-E05B 85/00. [new]</i>

*N = new note, M = modified note, D = deleted note

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5. Cross-Reference List (CRL)

Deletion or C-mod. of existing group	Reference to this group	Proposed changes	Comment
E05B 65/12	B60R 25/00	Fittings or systems for preventing or indicating unauthorised use or theft of vehicles (locks for vehicles E05B 65/12 E05B 77/00 – E05B 85/00)	see scheme change
	B61D 19/00	Door arrangements peculiar <u>specially adapted</u> to rail vehicles (vehicle door arrangements in general B60J; vehicle locks E05B 65/12 locks for vehicles E05B 77/00 – E05B 85/00; door-operating mechanisms E05F)	see scheme change
E05B 65/20	E05B 53/00	Operation or control of locks by mechanical transmissions, e.g. from a distance (for passenger doors E05B 65/20)	done

CICL not needed - all new groups from IPC project A048 are introduced already in the CPC - IPC concordance.

RCL not needed - all revisions from IPC project A048 are introduced already in CPC, only removal of brackets.