EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 60

JANUARY 15, 2015

PROJECT RP0118

The following classification changes will be effected by this Notice of Changes:

Action*	Subclass	Group(s)
Symbols deleted:	E05F	15/0004 – 15/003
	E05F	2015/0034- 2015/0056
	E05F	15/006 - 15/0065
	E05F	2015/0069
	E05F	15/0073 - 15/0082
	E05F	2015/0086-2015/0091
	E05F	15/0095- 15/127
	E05F	2015/128
	E05F	15/14- 15/2046
	E05F	2015/2053- 2015/2069
	E05F	15/2076- 15/2092
Symbols newly created:	E05F	15/40
	E05F	15/41
	E05F	15/42
	E05F	15/43
	E05F	15/431
	E05F	2015/432
	E05F	2015/433
	E05F	2015/434
	E05F	2015/435
	E05F	2015/436
	E05F	2015/437
	E05F	15/44
	E05F	15/443
	E05F	2015/447
	E05F	15/46
	E05F	15/47
	E05F	15/48
	E05F	2015/483
	E05F	2015/487
	E05F	15/49
	E05F	15/50
	E05F	15/51
	E05F	15/53
	E05F	15/54
	E05F	15/56
	E05F	15/565
	E05F	15/57
	E05F	15/59
	E05F	15/60

Action*	Subclass	Group(s)
	E05F	15/603
	E05F	15/605
	E05F	15/608
	E05F	15/611
	E05F	15/614
	E05F	15/616
	E05F	15/619
	E05F	15/622
	E05F	15/624
	E05F	15/627
	E05F	15/63
	E05F	2015/631
	E05F	15/632
	E05F	15/635
	E05F	15/638
	E05F	15/641
	E05F	15/643
	E05F	15/646
	E05F	15/649
	E05F	15/652
	E05F	15/655
	E05F	15/657
	E05F	15/659
	E05F	15/662
	E05F	15/665
	E05F	15/668
	E05F	15/67
	E05F	15/673
	E05F	15/676
	E05F	15/678
	E05F	15/681
	E05F	15/684
	E05F	15/686
	E05F	15/689
	E05F	15/692
	E05F	15/695
	E05F	15/697
	E05F	15/70
	E05F	15/71
	E05F	15/72
	E05F	15/73
	E05F	15/74
	E05F	15/75
	E05F	15/76
	E05F	2015/763
	E05F	2015/765
	E05F	2015/767
	E05F	15/77
	E05F	15/78
	E05F	15/79

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Action*	Subclass	Group(s)
Title change:	E05F	15/00
Deleted Definitions (no frozen (F) symbol definitions should be deleted):	E05F	15/0004, 15/0008, 15/0013, 15/0017, 15/0095, 15 /10, 15/142, 15 /145, 15/147, 15/148, 15/1646, 15/2007, 15/2015, 15/2046
Scheme Warning Notices to be added/modified/deleted:	E05F	15/632
	E05F	15/641
	E05F	15/655
	E05F	15/668

The following subclasses/groups are also impacted by this Notice of Changes:
A62C, B60J, B61D, E05B, E06B, F16G, G01V, H01H, H02K

This Notice of Changes includes the following *[Check the ones included]:*

1.   CLASSIFICATION SCHEME CHANGES
⊠   A. New, Modified or Deleted Group(s)

⊠   B. New, Modified or Deleted Warning Notice(s)

☐   C. New, Modified or Deleted Note(s) or Guidance Heading(s)

2.   DEFINITIONS (New or Modified)
⊠   A. DEFINITIONS (Full definition templates)

☐   B. DEFINITIONS (Definitions Quick Fix)

3.   ⊠   REVISION CONCORDANCE LIST (RCL)

4.   ⊠   CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5.   ⊠   CROSS-REFERENCE LIST (CRL)

1.   CLASSIFICATION SCHEME CHANGES

   A.   New, Modified or Deleted Group(s)

SUBCLASS E05F - DEVICES FOR MOVING WINGS INTO OPEN OR CLOSED POSITION; CHECKS FOR WINGS; WING FITTINGS NOT OTHERWISE PROVIDED FOR, CONCERNED WITH THE FUNCTIONING OF THE WING

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should be enclosed in {curly brackets}
M	E05F15/00	0	Power-operated mechanisms for wings (motor-operated accessories in locks for completing closing or initiating opening of a wing E05B17/00)
D	E05F15/0004		(transferred to E05F15/40)
D	E05F15/0008		(transferred to E05F15/40 + E05Y2900/50 ADD INF)
D	E05F15/0013		(transferred to E05F15/40 + E05Y2900/51 ADD INF)
D	E05F15/0017		(transferred to E05F15/41)
D	E05F15/0021		(transferred to E05F15/42)
D	E05F15/0026		(transferred to E05F15/43)
D	E05F15/003		(transferred to E05F15/431)
D	E05F2015/0034		(transferred to E05F2015/432)
D	E05F2015/0039		(transferred to E05F2015/433)
D	E05F2015/0043		(transferred to E05F2015/434)
D	E05F2015/0047		(transferred to E05F2015/435)
D	E05F2015/0052		(transferred to E05F2015/436)
D	E05F2015/0056		(transferred to E05F2015/437)
D	E05F15/006		(transferred to E05F15/44)
D	E05F15/0065		(transferred to E05F15/443)
D	E05F2015/0069		(transferred to E05F2015/447)
D	E05F15/0073		(transferred to E05F15/46)
D	E05F15/0078		(transferred to E05F15/47)
D	E05F15/0082		(transferred to E05F15/48)
D	E05F2015/0086		(transferred to E05F2015/483)
D	E05F2015/0091		(transferred to E05F2015/487)
D	E05F15/0095		(transferred to E05F15/49)
D	E05F15/02		(transferred to E05F15/50)
D	E05F15/025		(transferred to E05F15/51)
D	E05F15/04		(transferred to E05F15/53)
D	E05F15/042		(transferred to E05F15/53 + E05Y2900/50 ADD INF)
D	E05F15/045		(transferred to E05F15/53 + E05Y2900/51 ADD INF)
D	E05F15/047		(transferred to E05F15/54)

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should be enclosed in {curly brackets}
D	E05F15/06		(transferred to E05F15/56)
D	E05F15/065		(transferred to E05F15/565)
D	E05F15/08		(transferred to E05F15/57)
D	E05F15/083		(transferred to E05F15/59)
D	E05F15/086		(transferred to E05F15/57 + E05Y2900/50 ADD INF)
D	E05F15/10		(transferred to E05F15/603)
D	E05F15/103		(transferred to E05F15/605)
D	E05F15/106		(transferred to E05F15/608)
D	E05F15/12		(transferred to E05F15/611)
D	E05F15/121		(transferred to E05F15/614)
D	E05F15/122		(transferred to E05F15/616)
D	E05F15/123		(transferred to E05F15/619)
D	E05F15/124		(transferred to E05F15/622)
D	E05F15/125		(transferred to E05F15/624)
D	E05F15/126		(transferred to E05F15/627)
D	E05F15/127		(transferred to E05F15/63)
D	E05F2015/128		(transferred to E05F2015/631)
D	E05F15/14		(transferred to E05F15/632)
D	E05F15/141		(transferred to E05F15/655 + E05Y2900/51 ADD INF)
D	E05F15/142		(transferred to E05F15/635)
D	E05F15/143		(transferred to E05F15/638)
D	E05F15/145		(transferred to E05F15/643)
D	E05F15/146		(transferred to E05F15/646)
D	E05F15/147		(transferred to E05F15/649)
D	E05F15/148		(transferred to E05F15/652)
D	E05F15/16		(transferred to E05F15/665)
D	E05F15/1607		(transferred to E05F15/668)
D	E05F15/1615		(transferred to E05F15/67)
D	E05F15/1623		(transferred to E05F15/673)
D	E05F15/163		(transferred to E05F15/676)
D	E05F15/1638		(transferred to E05F15/678)
D	E05F15/1646		(transferred to E05F15/681)
D	E05F15/1653		(transferred to E05F15/684)
D	E05F15/1661		(transferred to E05F15/686)
D	E05F15/1669		(transferred to E05F15/689)
D	E05F15/1676		(transferred to E05F15/692)
D	E05F15/1684		(transferred to E05F15/695)
D	E05F15/1692		(transferred to E05F15/697)
D	E05F15/18		(transferred to E05F15/60)
D	E05F15/20		(transferred to E05F15/70)
D	E05F15/2007		(transferred to E05F15/71)

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should be enclosed in {curly brackets}
D	E05F15/2015		(transferred to E05F15/72)
D	E05F15/2023		(transferred to E05F15/73)
D	E05F15/203		(transferred to E05F15/74)
D	E05F15/2038		(transferred to E05F15/75)
D	E05F15/2046		(transferred to E05F15/76)
D	E05F2015/2053		(transferred to E05F2015/763)
D	E05F2015/2061		(transferred to E05F2015/765)
D	E05F2015/2069		(transferred to E05F2015/767)
D	E05F15/2076		(transferred to E05F15/77)
D	E05F15/2084		(transferred to E05F15/78)
D	E05F15/2092		(transferred to E05F15/79)
N	E05F15/40	1	Safety devices, e.g. detection of obstructions or end positions
N	E05F15/41	2	Detection by monitoring transmitted force or torque (E05F15/48 takes precedence); Safety couplings with activation dependent upon torque or force, e.g. slip couplings
N	E05F15/42	2	Detection using safety edges
N	E05F15/43	3	responsive to disruption of energy beams, e.g. light or sound
N	E05F15/431	4	{specially adapted for vehicle windows or roofs}
N	E05F2015/432	4	{with acoustical sensors}
N	E05F2015/433	5	{using reflection from the obstruction}
N	E05F2015/434	4	{with optical sensors}
N	E05F2015/435	5	{by interruption of the beam}
N	E05F2015/436	6	{the beam being parallel to the wing edge}
N	E05F2015/437	6	{the beam being perpendicular to the wing edge}
N	E05F15/44	3	responsive to changes in electrical conductivity
N	E05F15/443	4	{specially adapted for vehicle windows or roofs}
N	E05F2015/447	4	{using switches in serial arrangement}
N	E05F15/46	3	responsive to changes in electrical capacitance
N	E05F15/47	3	responsive to changes in fluid pressure
N	E05F15/48	3	by transmission of mechanical forces, e.g. by rigid or movable members
N	E05F2015/483	3	{for detection during opening}
N	E05F2015/487	3	{Fault detection of safety edges}
N	E05F15/49	2	specially adapted for mechanisms operated by fluid pressure, e.g. detection by monitoring transmitted fluid pressure (E05F15/47 takes precedence)
N	E05F15/50	1	using fluid-pressure actuators
N	E05F15/51	2	for folding wings
N	E05F15/53	2	for swinging wings
N	E05F15/54	3	operated by linear actuators acting on a helical track coaxial with the swinging axis

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should be enclosed in {curly brackets}
N	E05F15/56	2	for horizontally-sliding wings
N	E05F15/565	3	{for railway-cars}
N	E05F15/57	2	for vertically-sliding wings
N	E05F15/59	3	for overhead wings
N	E05F15/60	1	using electrical actuators
N	E05F15/603	2	using rotary electromotors
N	E05F15/605	3	for folding wings
N	E05F15/608	3	for revolving wings
N	E05F15/611	3	for swinging wings
N	E05F15/614	4	operated by meshing gear wheels, one of which being mounted at the wing pivot axis; operated by a motor acting directly on the wing pivot axis
N	E05F15/616	4	operated by push-pull mechanisms
N	E05F15/619	5	using flexible or rigid rack-and-pinion arrangements
N	E05F15/622	5	using screw-and-nut mechanisms
N	E05F15/624	5	using friction wheels
N	E05F15/627	4	operated by flexible elongated pulling elements, e.g. belts, chains or cables (using flexible elongated push-pull mechanisms E05F15/619)
N	E05F15/63	4	operated by swinging arms
N	E05F2015/631	5	{the end of the arm sliding in a track; Slider arms therefor}
Q	E05F15/632	3	for horizontally-sliding wings
Q	E05F15/635	4	operated by push-pull mechanisms, e.g. flexible or rigid rack-and-pinion arrangements (E05F15/652 takes precedence)
N	E05F15/638	5	allowing or involving a secondary movement of the wing, e.g. rotational or transversal
N	E05F15/641	5	operated by friction wheels
N	E05F15/643	4	operated by flexible elongated pulling elements, e.g. belts, chains or cables (by flexible elongated push-pull mechanisms E05F15/635)
N	E05F15/646	5	allowing or involving a secondary movement of the wing, e.g. rotational or transversal
N	E05F15/649	4	operated by swinging arms
Q	E05F15/652	4	operated by screw-and-nut mechanisms
N	E05F15/655	4	specially adapted for vehicle wings
N	E05F15/657	5	enabling manual drive, e.g. in case of power failure
N	E05F15/659	5	Control circuits therefor
N	E05F15/662	5	Motor units therefor, e.g. geared motors
N	E05F15/665	3	for vertically-sliding wings
N	E05F15/668	4	for overhead wings
N	E05F15/67	5	operated by flexible or rigid rack-and-pinion arrangements

CPC Form – v.3

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should be enclosed in {curly brackets}
Q	E05F15/673	5	operated by screw-and-nut mechanisms
N	E05F15/676	5	operated by friction wheels
N	E05F15/678	5	operated by swinging lever arms
N	E05F15/681	5	operated by flexible elongated pulling elements, e.g. belts
N	E05F15/684	6	by chains
N	E05F15/686	6	by cables or ropes
N	E05F15/689	4	specially adapted for vehicle windows
N	E05F15/692	5	enabling manual drive, e.g. in case of power failure
N	E05F15/695	5	Control circuits therefor
N	E05F15/697	5	Motor units therefor, e.g. geared motors
N	E05F15/70	1	with automatic actuation
N	E05F15/71	2	responsive to temperature changes, rain, wind or noise
N	E05F15/72	2	responsive to emergency conditions, e.g. fire
N	E05F15/73	2	responsive to movement or presence of persons or objects
N	E05F15/74	3	using photoelectric cells
N	E05F15/75	3	responsive to the weight or other physical contact of a person or object
N	E05F15/76	3	responsive to devices carried by persons or objects, e.g. magnets or reflectors (E05F15/77 takes precedence)
N	E05F2015/763	3	{using acoustical sensors}
N	E05F2015/765	3	{using optical sensors (using photoelectric cells E05F15/74)}
N	E05F2015/767	3	{using cameras}
N	E05F15/77	2	using wireless control
N	E05F15/78	3	using light beams
N	E05F15/79	2	using time control

*N = new entries (reclassification involved); Q = new entries which are already populated with documents via administrative transfer from deleted (D) group(s). The transferred documents in the Q group, as determined by intellectual reclassification, will either stay in the Q group or be moved to more appropriate groups; C = entries with modified file scope (reclassification involved); M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen/entries (deleted pending reclassification completion); U = entries that are unchanged

NOTES:
- To simplify understanding, prior to an N group or N group array, include the U group located immediately prior to the N group or N group array in order to clearly illustrate the location of the N group or N group array in the existing scheme.
- "D = deleted entries" and "F = frozen/entries" may be included, in the scheme changes table above if needed for better understanding of the overall scheme.

B.   New, Modified or Deleted Warning notice(s)

Type*	Location	Old Warning notice	New/Modified Warning notice
N	E05F15/632		Group E05F15/632 is incomplete pending reclassification of documents from group E05F15/652. Groups E05F15/652 and E05F 15/632 should be considered in order to perform a complete search.
N	E05F15/641		Group E05F15/641 is incomplete pending reclassification of documents from group E05F15/635. Groups E05F15/635 and E05F 15/641 should be considered in order to perform a complete search.
N	E05F15/655		Groups E05F15/655 - E05F15/662 are incomplete pending reclassification of documents from group E05F15/632. Group E05F15/632 and the appropriate group in E05F15/655 - E05F15/662 should be considered in order to perform a complete search.
N	E05F15/668		Group E05F15/668 is incomplete pending reclassification of documents from group E05F15/673. Groups E05F15/673 and E05F15/668 should be considered in order to perform a complete search.

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

2. A. DEFINITIONS (i.e., New or Modified)

E05F

DEVICES FOR MOVING WINGS INTO OPEN OR CLOSED POSITION; CHECKS FOR WINGS; WING FITTINGS NOT OTHERWISE PROVIDED FOR, CONCERNED WITH THE FUNCTIONING OF THE WING

Definition statement

Devices for moving wings, such as doors or windows, into open or closed position; checks for wings, such as doors or windows; wing fittings not otherwise provided for, concerned with the functioning of the wing.

Gravity-, spring-, or power-operated devices to provide a force input for opening or closing wings, such as door openers and door closers, self-closing hinges and hinges with wing-counterbalancing function.

Also covered are operating mechanisms for wings constructed to convert the force input from a user, motor, opener or closer into movement of a wing, such as cable-, cord-, chain-, or belt-drives, lifting arms, rack and pinion drives or screw and nut arrangements.

The subclass furthermore covers braking devices, stops and buffers for wings as well as controlling means, such as remote wireless controls means, and safety devices such as obstruction detection devices.

Relationship between large subject matter areas

Hinges and other suspension devices for wings in E05D
Locks for doors and windows in E05B and E05C
Construction of doors, windows, gates and frames in buildings in E06B
Construction of doors, windows, and other moveable wings in vehicles in B60J

References relevant to classification in this subclass

Counterbalancing means for sliding or lifting wings	E05D13/10

Informative references

Springs per se	F16F
Electric motors per se	H02K, H02P
Operating or controlling devices for fire-barriers	A62C2/24

Operating mechanisms for safeguarding bank teller windows	E05G5/00
Operating mechanisms for interconnected lamellae	E06B7/086
Operating mechanisms for blinds or roll-type closures	E06B9/00

Special rules of classification within this subclass

Closers, openers, braking devices, stops and buffers for wings: E05F1/00, E05F3/00 and E05F5/00.

Accessories for wings: E05F7/00.

Operating mechanisms for wings: E05F9/00, E05F11/00, E05F13/00, E05F15/00 and E05F17/00.

Controlling means, such as remote wireless controls means, and safety devices such as obstruction detection devices: E05F15/00.

A number of main groups in this sub-class contain a large number of older documents that were classified administratively. These documents have not yet been reclassified to the sub-groups and are indexed with E05Y2800/00. This index should not be used for classification.

E05F2700/00 is an old indexing scheme. It can be used for search but should not be used for classification.

Under E05Y2900/00 and lower an indexing scheme exists for information on the application or use of the devices. The indexing scheme is shared with the sub-class E05D. It is mandatory to allocate the appropriate indexing code of E05Y2900/00, if the application or use is not implicit from the classification titles

Glossary of terms

Braking device	Devices constructed to slow down the movement of wings
Closer	Gravity-, spring-, or power-operated device constructed to provide a closing force to wings over a substantial part of their movement; includes devices for assisting users in wing-movement or for wing-counterbalancing; a closer can take the shape of a self-closing hinge
Opener	Gravity-, spring-, or power-operated device constructed to provide an opening force to wings over a substantial part of their movement; includes devices for assisting

	users in wing-movement or for wing-counterbalancing
Operating mechanism for wings	Mechanism constructed to convert force inputs from a user, motor, opener or closer into movement of wings
Self-closing hinge	Gravity- or spring-operated hinge constructed to provide a closing force to wings over a substantial part of their movement; includes devices for wing-counterbalancing
Wing	Pivotable, slideable, or otherwise moveable part of doors, windows, flaps, covers etc. in building construction and outfitting, fences, domestic appliances, vehicles and furniture; the term also includes other movable structures such as drawers, lids of chests, car boots, or car bonnets

E05F15/40

Safety devices, e.g. detection of obstructions or end positions

Informative references

Automatically-acting means, e.g. by photoelectric cells, by electric waves, by thermostats, by rain, by fire	E05F15/70
Anti-dropping devices	E05D13/003
Detection of obstructions by current overload	H02H7/0851

E05F15/41

Detection by monitoring transmitted force or torque (E05F15/48 takes precedence); Safety couplings with activation dependent upon torque or force, e.g. slip couplings

References relevant to classification in this group

Detection by means of monitoring transmitted force or torque by transmission of mechanical forces, e.g. using rigid, movable members	E05F15/48
Detection by means of monitoring transmitted force or torque in pressure medium-operated mechanisms for wings	E05F15/49

E05F15/49

specially adapted for mechanisms operated by fluid pressure, e.g. detection by monitoring transmitted fluid pressure (E05F15/47 takes precedence)

References relevant to classification in this group

Safety edges for power-operated mechanisms for wings using detection by means of monitoring fluid pressure	E05F15/47

E05F15/603

using rotary electromotors

Informative references

Detection of end position by striking; Safety couplings	E05F15/41

E05F15/635

operated by push-pull mechanisms, e.g. flexible or rigid rack-and-pinion arrangements (E05F15/652 takes precedence)

References relevant to classification in this group

Horizontally-sliding wings for railway-cars	E05F15/655, E05Y2900/51
Horizontally-sliding wings operated by swinging arms	E05F15/649
Horizontally-sliding wings operated by screw-and-nut mechanisms	E05F15/652

E05F15/643

operated by flexible elongated pulling elements, e.g. belts, chains or cables (by flexible elongated push-pull mechanisms E05F15/635)

References relevant to classification in this group

Horizontally-sliding wings for railway-cars	E05F15/655, E05Y2900/51

E05F15/649

operated by swinging arms

References relevant to classification in this group

Horizontally-sliding wings for railway-cars	E05F15/655, E05Y2900/51

E05F15/652

operated by screw-and-nut mechanisms

References relevant to classification in this group

Horizontally-sliding wings for railway-cars	E05F15/655, E05Y2900/51

E05F15/681

operated by flexible elongated pulling elements, e.g. belts

References relevant to classification in this group

Flexible rack-and-pinion arrangements	E05F15/67

E05F15/71

responsive to temperature changes, rain, wind or noise

References relevant to classification in this group

responsive to emergency conditions, e.g. fire	E05F15/72

E05F15/72

responsive to emergency conditions, e.g. fire

Informative references

Operating or controlling mechanisms for physical fire-barriers	A62C2/24
Locks actuating in response to heat	E05B65/104

E05F15/76

responsive to devices carried by persons or objects, e.g. magnets or reflectors (E05F15/77 takes precedence)

References relevant to classification in this group

Remote wireless control devices	E05F15/77

3.   REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol (new)
D	E05F15/0004	E05F15/40
D	E05F15/0008	E05F15/40 + E05Y2900/50 ADD INF
D	E05F15/0013	E05F15/40 + E05Y2900/51 ADD INF
D	E05F15/0017	E05F15/41
D	E05F15/0021	E05F15/42
D	E05F15/0026	E05F15/43
D	E05F15/003	E05F15/431
D	E05F2015/0034	E05F2015/432
D	E05F2015/0039	E05F2015/433
D	E05F2015/0043	E05F2015/434
D	E05F2015/0047	E05F2015/435
D	E05F2015/0052	E05F2015/436
D	E05F2015/0056	E05F2015/437
D	E05F15/006	E05F15/44
D	E05F15/0065	E05F15/443
D	E05F2015/0069	E05F2015/447
D	E05F15/0073	E05F15/46
D	E05F15/0078	E05F15/47
D	E05F15/0082	E05F15/48
D	E05F2015/0086	E05F2015/483
D	E05F2015/0091	E05F2015/487
D	E05F15/0095	E05F15/49
D	E05F15/02	E05F15/50
D	E05F15/025	E05F15/51
D	E05F15/04	E05F15/53
D	E05F15/042	E05F15/53 + E05Y2900/50 ADD INF
D	E05F15/045	E05F15/53 + E05Y2900/51 ADD INF
D	E05F15/047	E05F15/54
D	E05F15/06	E05F15/56
D	E05F15/065	E05F15/565
D	E05F15/08	E05F15/57
D	E05F15/083	E05F15/59
D	E05F15/086	E05F15/57 + E05Y2900/50 ADD INF
D	E05F15/10	E05F15/603
D	E05F15/103	E05F15/605

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Type*	From CPC Symbol (existing)	To CPC Symbol (new)
D	E05F15/106	E05F15/608
D	E05F15/12	E05F15/611
D	E05F15/121	E05F15/614
D	E05F15/122	E05F15/616
D	E05F15/123	E05F15/619
D	E05F15/124	E05F15/622
D	E05F15/125	E05F15/624
D	E05F15/126	E05F15/627
D	E05F15/127	E05F15/63
D	E05F2015/128	E05F2015/631
D	E05F15/14	E05F15/632
Q	E05F15/632	E05F15/632, E05F15/655 – E05F15/662
D	E05F15/141	E05F15/655 + E05Y2900/51 ADD INF
D	E05F15/142	E05F15/635
Q	E05F15/635	E05F15/635, E05F15/641
D	E05F15/143	E05F15/638
D	E05F15/145	E05F15/643
D	E05F15/146	E05F15/646
D	E05F15/147	E05F15/649
D	E05F15/148	E05F15/652
Q	E05F15/652	E05F15/632, E05F15/652
D	E05F15/16	E05F15/665
D	E05F15/1607	E05F15/668
D	E05F15/1615	E05F15/67
D	E05F15/1623	E05F15/673
Q	E05F15/673	E05F15/668, E05F15/673
D	E05F15/163	E05F15/676
D	E05F15/1638	E05F15/678
D	E05F15/1646	E05F15/681
D	E05F15/1653	E05F15/684
D	E05F15/1661	E05F15/686
D	E05F15/1669	E05F15/689
D	E05F15/1676	E05F15/692
D	E05F15/1684	E05F15/695
D	E05F15/1692	E05F15/697
D	E05F15/18	E05F15/60
D	E05F15/20	E05F15/70
D	E05F15/2007	E05F15/71
D	E05F15/2015	E05F15/72
D	E05F15/2023	E05F15/73

Type*	From CPC Symbol (existing)	To CPC Symbol (new)
D	E05F15/203	E05F15/74
D	E05F15/2038	E05F15/75
D	E05F15/2046	E05F15/76
D	E05F2015/2053	E05F2015/763
D	E05F2015/2061	E05F2015/765
D	E05F2015/2069	E05F2015/767
D	E05F15/2076	E05F15/77
D	E05F15/2084	E05F15/78
D	E05F15/2092	E05F15/79

* C = entries with modified file scope (reclassification involved); Q = new entries which are already populated with documents via administrative transfer from deleted (D) entries. The transferred documents in the Q entry, as determined by intellectual reclassification, will either stay in the Q entry or be moved to more appropriate entries; D = deleted entries,

NOTE: Frozen (F) symbols are not included in the RCL table above.

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

CPC	IPC	Action*
E05F15/0004	E05F15/00	delete CPC/IPC
E05F15/0008	E05F15/00	delete CPC/IPC
E05F15/0013	E05F15/00	delete CPC/IPC
E05F15/0017	E05F15/00	delete CPC/IPC
E05F15/0021	E05F15/00	delete CPC/IPC
E05F15/0026	E05F15/00	delete CPC/IPC
E05F15/003	E05F15/00	delete CPC/IPC
E05F2015/0034	E05F15/00	delete CPC/IPC
E05F2015/0039	E05F15/00	delete CPC/IPC
E05F2015/0043	E05F15/00	delete CPC/IPC
E05F2015/0047	E05F15/00	delete CPC/IPC
E05F2015/0052	E05F15/00	delete CPC/IPC
E05F2015/0056	E05F15/00	delete CPC/IPC
E05F15/006	E05F15/00	delete CPC/IPC
E05F15/0065	E05F15/00	delete CPC/IPC
E05F2015/0069	E05F15/00	delete CPC/IPC
E05F15/0073	E05F15/00	delete CPC/IPC
E05F15/0078	E05F15/00	delete CPC/IPC
E05F15/0082	E05F15/00	delete CPC/IPC
E05F2015/0086	E05F15/00	delete CPC/IPC
E05F2015/0091	E05F15/00	delete CPC/IPC
E05F15/0095	E05F15/00	delete CPC/IPC
E05F15/02	E05F15/02	delete CPC/IPC
E05F15/025	E05F15/02	delete CPC/IPC
E05F15/04	E05F15/04	delete CPC/IPC
E05F15/042	E05F15/04	delete CPC/IPC
E05F15/045	E05F15/04	delete CPC/IPC
E05F15/047	E05F15/04	delete CPC/IPC
E05F15/06	E05F15/06	delete CPC/IPC
E05F15/065	E05F15/06	delete CPC/IPC
E05F15/08	E05F15/08	delete CPC/IPC
E05F15/083	E05F15/08	delete CPC/IPC
E05F15/086	E05F15/08	delete CPC/IPC
E05F15/10	E05F15/10	delete CPC/IPC
E05F15/103	E05F15/10	delete CPC/IPC
E05F15/106	E05F15/10	delete CPC/IPC
E05F15/12	E05F15/12	delete CPC/IPC
E05F15/121	E05F15/12	delete CPC/IPC

CPC	IPC	Action*
E05F15/122	E05F15/12	delete CPC/IPC
E05F15/123	E05F15/12	delete CPC/IPC
E05F15/124	E05F15/12	delete CPC/IPC
E05F15/125	E05F15/12	delete CPC/IPC
E05F15/126	E05F15/12	delete CPC/IPC
E05F15/127	E05F15/12	delete CPC/IPC
E05F2015/128	E05F15/12	delete CPC/IPC
E05F15/14	E05F15/14	delete CPC/IPC
E05F15/141	E05F15/14	delete CPC/IPC
E05F15/142	E05F15/14	delete CPC/IPC
E05F15/143	E05F15/14	delete CPC/IPC
E05F15/145	E05F15/14	delete CPC/IPC
E05F15/146	E05F15/14	delete CPC/IPC
E05F15/147	E05F15/14	delete CPC/IPC
E05F15/148	E05F15/14	delete CPC/IPC
E05F15/16	E05F15/16	delete CPC/IPC
E05F15/1607	E05F15/16	delete CPC/IPC
E05F15/1615	E05F15/16	delete CPC/IPC
E05F15/1623	E05F15/16	delete CPC/IPC
E05F15/163	E05F15/16	delete CPC/IPC
E05F15/1638	E05F15/16	delete CPC/IPC
E05F15/1646	E05F15/16	delete CPC/IPC
E05F15/1653	E05F15/16	delete CPC/IPC
E05F15/1661	E05F15/16	delete CPC/IPC
E05F15/1669	E05F15/16	delete CPC/IPC
E05F15/1676	E05F15/16	delete CPC/IPC
E05F15/1684	E05F15/16	delete CPC/IPC
E05F15/1692	E05F15/16	delete CPC/IPC
E05F15/18	E05F15/18	delete CPC/IPC
E05F15/20	E05F15/20	delete CPC/IPC
E05F15/2007	E05F15/20	delete CPC/IPC
E05F15/2015	E05F15/20	delete CPC/IPC
E05F15/2023	E05F15/20	delete CPC/IPC
E05F15/203	E05F15/20	delete CPC/IPC
E05F15/2038	E05F15/20	delete CPC/IPC
E05F15/2046	E05F15/20	delete CPC/IPC
E05F2015/2053	E05F15/20	delete CPC/IPC
E05F2015/2061	E05F15/20	delete CPC/IPC
E05F2015/2069	E05F15/20	delete CPC/IPC
E05F15/2076	E05F15/20	delete CPC/IPC
E05F15/2084	E05F15/20	delete CPC/IPC
E05F15/2092	E05F15/20	delete CPC/IPC

CPC	IPC	Action*
E05F15/40	E05F15/40	new CPC/IPC
E05F15/41	E05F15/41	new CPC/IPC
E05F15/42	E05F15/42	new CPC/IPC
E05F15/43	E05F15/43	new CPC/IPC
E05F15/431	E05F15/43	new CPC/IPC
E05F2015/432	E05F15/43	new CPC/IPC
E05F2015/433	E05F15/43	new CPC/IPC
E05F2015/434	E05F15/43	new CPC/IPC
E05F2015/435	E05F15/43	new CPC/IPC
E05F2015/436	E05F15/43	new CPC/IPC
E05F2015/437	E05F15/43	new CPC/IPC
E05F15/44	E05F15/44	new CPC/IPC
E05F15/443	E05F15/44	new CPC/IPC
E05F2015/447	E05F15/44	new CPC/IPC
E05F15/46	E05F15/46	new CPC/IPC
E05F15/47	E05F15/47	new CPC/IPC
E05F15/48	E05F15/48	new CPC/IPC
E05F2015/483	E05F15/42	new CPC/IPC
E05F2015/487	E05F15/42	new CPC/IPC
E05F15/49	E05F15/49	new CPC/IPC
E05F15/50	E05F15/50	new CPC/IPC
E05F15/51	E05F15/51	new CPC/IPC
E05F15/53	E05F15/53	new CPC/IPC
E05F15/54	E05F15/54	new CPC/IPC
E05F15/56	E05F15/56	new CPC/IPC
E05F15/565	E05F15/56	new CPC/IPC
E05F15/57	E05F15/57	new CPC/IPC
E05F15/59	E05F15/59	new CPC/IPC
E05F15/60	E05F15/60	new CPC/IPC
E05F15/603	E05F15/603	new CPC/IPC
E05F15/605	E05F15/605	new CPC/IPC
E05F15/608	E05F15/608	new CPC/IPC
E05F15/611	E05F15/611	new CPC/IPC
E05F15/614	E05F15/614	new CPC/IPC
E05F15/616	E05F15/616	new CPC/IPC
E05F15/619	E05F15/619	new CPC/IPC
E05F15/622	E05F15/622	new CPC/IPC
E05F15/624	E05F15/624	new CPC/IPC
E05F15/627	E05F15/627	new CPC/IPC
E05F15/63	E05F15/63	new CPC/IPC
E05F2015/631	E05F15/63	new CPC/IPC
E05F15/632	E05F15/632	new CPC/IPC

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CPC	IPC	Action*
E05F15/635	E05F15/635	new CPC/IPC
E05F15/638	E05F15/638	new CPC/IPC
E05F15/641	E05F15/641	new CPC/IPC
E05F15/643	E05F15/643	new CPC/IPC
E05F15/646	E05F15/646	new CPC/IPC
E05F15/649	E05F15/649	new CPC/IPC
E05F15/652	E05F15/652	new CPC/IPC
E05F15/655	E05F15/655	new CPC/IPC
E05F15/657	E05F15/657	new CPC/IPC
E05F15/659	E05F15/659	new CPC/IPC
E05F15/662	E05F15/662	new CPC/IPC
E05F15/665	E05F15/665	new CPC/IPC
E05F15/668	E05F15/668	new CPC/IPC
E05F15/67	E05F15/67	new CPC/IPC
E05F15/673	E05F15/673	new CPC/IPC
E05F15/676	E05F15/676	new CPC/IPC
E05F15/678	E05F15/678	new CPC/IPC
E05F15/681	E05F15/681	new CPC/IPC
E05F15/684	E05F15/684	new CPC/IPC
E05F15/686	E05F15/686	new CPC/IPC
E05F15/689	E05F15/689	new CPC/IPC
E05F15/692	E05F15/692	new CPC/IPC
E05F15/695	E05F15/695	new CPC/IPC
E05F15/697	E05F15/697	new CPC/IPC
E05F15/70	E05F15/70	new CPC/IPC
E05F15/71	E05F15/71	new CPC/IPC
E05F15/72	E05F15/72	new CPC/IPC
E05F15/73	E05F15/73	new CPC/IPC
E05F15/74	E05F15/74	new CPC/IPC
E05F15/75	E05F15/75	new CPC/IPC
E05F15/76	E05F15/76	new CPC/IPC
E05F2015/763	E05F15/73	new CPC/IPC
E05F2015/765	E05F15/73	new CPC/IPC
E05F2015/767	E05F15/73	new CPC/IPC
E05F15/77	E05F15/77	new CPC/IPC
E05F15/78	E05F15/78	new CPC/IPC
E05F15/79	E05F15/79	new CPC/IPC

*Action column:
- For a new (N) CPC symbol, provide an IPC symbol and complete the Action column with "new CPC/IPC."
- For an existing CPC symbol where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with "new IPC."
- For a deleted (D) CPC symbol complete the Action column with "delete CPC/IPC."

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- For a 2000 series CPC symbol with no IPC equivalent, complete the Action column with "CPCONLY".

NOTE: Frozen (F) symbols are <u>not</u> included in the CICL table above.

5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

Location of reference to be changed	Referenced subclass or group to be changed	Change
A62C2/24	E05F15/2015	E05F15/72
B60J5/0495	E05F15/0021	E05F15/42
E05F1/002	E05F15/20	E05F15/70
E06B7/36	E05F15/0004	E05F15/40
H01H3/161	E05F15/0004	E05F15/40

Definitions references impacted by this revision project

Location of reference to be changed	Referenced subclass or group to be changed	Section of Definition	Associated/Proposed Text
A62C 2/06	E05F 15/2015	Informative references	Emergency operation for doors and windows **E05F 15/72**
B60J 1/00	E05F 15/0008	Informative references	Obstruction detection for windows **E05F 15/40**, **E05Y 2900/50**
B60J 5/00	E05F 15/0004	Informative references	Obstruction detection (anti pinch) **E05F 15/40**
B60J 5/00	E05F 15/042	Informative references	Hydraulic struts assisting in opening doors. **E05F15/53**, **E05Y2900/50**
B60J 7/00	E05F 15/0008	Informative references	Obstruction detection (anti-pinch) **E05F 15/40**, **E05Y 2900/50**
B61D 19/00	E05F 15/0013	Informative references	Power-operated mechanism for wings for mass transport **E05F 15/40**, **E05Y 2900/51**
E05B 51/00	E05F 15/02	References relevant to classification in this group	Power operated mechanism for wings with pressure medium **E05F 15/50**
E05F 1/002	E05F 15/20	Informative references	Automatically acting control means for powered-operated mechanisms **E05F 15/70**

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E05F 11/00	E05F 15/10	Relationship between large subject matter areas	Operating mechanisms for wings constructed to convert the force input from a motor into movement of a wing in **E05F 15/603**
E05F 11/38	E05F 15/1669	Special rules of classification within this group	**E05F 15/689** applies in addition to E05F11/38 if the operating/transmission mechanism of the vertically sliding window is powered by an electric motor.
E05F 13/00	E05F 15/10	Relationship between large subject matter areas	Operating mechanisms for wings constructed to convert the force input from a motor into movement of a wing in **E05F 15/603**
F16G 13/18	E05F 15/123	Informative references	Push pull chains for wings **E05F 15/619**
G01V 8/00	E05F 15/0026	Informative references	Safety devices for doors and the like, operated by disruption of energy beams **E05F 15/43**
H02K 7/1166	E05F 15/1692	Informative references	Power operated mechanism for wings **E05F 15/697**

NOTES:
- The CRL tables above are used for changes to locations <u>outside</u> of the project scope. Changes to references in scheme titles or definitions <u>inside</u> the project scope will be reflected in the "scheme change" template or one of the "definition" templates.
- In addition to other changes proposed, D (deleted) and F (frozen) symbols should be indicated as deleted from the scheme and definitions in the tables above.
- When a reference is deleted, text related to that reference will also be deleted.
- If adding a reference, the text associated with the reference must be included in the "Change" column.