

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 713

DATE: AUGUST 1, 2019

PROJECT RP0238

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	B64D	2045/002, 2045/0025, 2045/003, 2045/0035, 2045/004, 2045/0045, 2045/005, 2045/0055, 2045/006
Symbols New:	B64D	45/0018, 45/0021, 45/0026, 45/0028, 45/0029, 45/0031, 45/0034, 45/0036, 45/0039, 45/0042, 45/0044, 45/0048, 45/0051, 45/0053, 45/0056, 45/0059, 45/0061, 45/0063
Warnings New:	B64D	45/0015, 45/0018, 45/0021, 45/0026, 45/0028, 45/0029, 45/0031, 45/0034, 45/0036, 45/0039, 45/0044, 45/0048
DEFINITIONS:		
Definitions New:	B64D	45/0028, 45/0061
Definitions Modified:	B64C	1/1469

No other subclasses/groups are impacted by this Notice of Changes.

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

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

3. REVISION CONCORDANCE LIST (RCL)

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

5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS B64D - EQUIPMENT FOR FITTING IN OR TO AIRCRAFT; FLYING SUITS; PARACHUTES; ARRANGEMENTS OR MOUNTING OF POWER PLANTS OR PROPULSION TRANSMISSIONS IN AIRCRAFT

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
C	B64D 45/0015	1	{Devices specially adapted for the protection against criminal attack, e.g. anti-hijacking systems}	B64D45/0015, B64D45/0018, B64D45/0021, B64D45/0026, B64D45/0028, B64D45/0029
N	B64D 45/0018	2	{means on aircraft for restricting unauthorized access to the aircraft}	
D	B64D 2045/002	2	{by disabling or restraining attackers}	<administrative transfer to B64D45/0036 INV>
N	B64D 45/0021	2	{means for restricting access to flight deck}	
D	B64D 2045/0025	3	{by spraying gases in cabins, or by shooting darts with anesthetic effects}	<administrative transfer to B64D45/0042 INV>
N	B64D 45/0026	3	{by creating a secure space between the flight deck and cabin}	
N	B64D 45/0028	3	{doors or door arrangements specially adapted to restrict unauthorized access}	
N	B64D 45/0029	4	{electrically actuated}	
D	B64D 2045/003	2	{by monitoring cabins}	<administrative transfer to B64D45/0051 INV>
Q	B64D 45/0031	2	{means for overriding or restricting access to flight controls}	B64D45/0031, B64D45/0034
N	B64D 45/0034	3	{by ground-control override}	
D	B64D 2045/0035	3	{using cameras}	<administrative transfer to B64D45/0053 INV>
Q	B64D 45/0036	2	{by disabling or restraining attackers}	B64D45/0036, B64D45/0039, B64D45/0044, B64D45/0048
N	B64D 45/0039	3	{by electrical shock}	
D	B64D 2045/004	3	{detecting passenger or pilot behaviors by sensors, e.g. biometrics}	<administrative transfer to B64D45/0056 INV>

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
N	B64D 45/0042	3	{by spraying or injecting chemicals}	
N	B64D 45/0044	3	{by restraining within seats}	
D	B64D 2045/0045	2	{by communicating emergency situations to ground control, or between crew members}	<administrative transfer to B64D45/0059 INV>
N	B64D 45/0048	3	{by harnesses, nets, ropes, or the like (B64D 45/0044 takes precedence)}	
D	B64D 2045/005	2	{by protecting cabin or luggage from bombs}	<administrative transfer to B64D45/0061 INV>
N	B64D 45/0051	2	{by monitoring passengers or crew on aircraft}	
N	B64D 45/0053	3	{using visual equipment, e.g. cameras}	
D	B64D 2045/0055	2	{by overriding pilot’s controls, or by directing aircraft from ground control to avoid certain paths or zones}	<administrative transfer to B64D45/0031 INV>
N	B64D 45/0056	3	{detecting passenger or crew behavior by sensors, e.g. biometrics}	
N	B64D 45/0059	2	{by communicating emergency situations to ground control or between crew members}	
D	B64D 2045/006	2	{by avoiding the use of electronic equipment during flight, e.g. of mobile phones or laptops}	<administrative transfer to B64D45/0063 INV>
N	B64D 45/0061	2	{by protecting cabin or cargo hold from bombs}	
N	B64D 45/0063	2	{by avoiding the use of electronic equipment during flight, e.g. of mobile phones or laptops}	

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).

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- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types .
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD> , <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalisation projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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B. New, Modified or Deleted Warning(s)

SUBCLASS B64D - EQUIPMENT FOR FITTING IN OR TO AIRCRAFT; FLYING SUITS; PARACHUTES; ARRANGEMENTS OR MOUNTING OF POWER PLANTS OR PROPULSION TRANSMISSIONS IN AIRCRAFT

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	B64D 45/0015		Group B64D 45/0015 is impacted by reclassification into groups B64D 45/0018, B64D 45/0021, B64D 45/0026, B64D 45/0028 and B64D 45/0029. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64D 45/0018		Group B64D 45/0018 is incomplete pending reclassification of documents from group B64D 45/0015. Groups B64D 45/0015 and B64D 45/0018 should be considered in order to perform a complete search.
N	B64D 45/0021		Group B64D 45/0021 is incomplete pending reclassification of documents from group B64D 45/0015. Groups B64D 45/0015 and B64D 45/0021 should be considered in order to perform a complete search.
N	B64D 45/0026		Group B64D 45/0026 is incomplete pending reclassification of documents from group B64D 45/0015. Groups B64D 45/0015 and B64D 45/0026 should be considered in order to perform a complete search.
N	B64D 45/0028		Group B64D 45/0028 is incomplete pending reclassification of documents from group B64D 45/0015. Groups B64D 45/0015 and B64D 45/0028 should be considered in order to perform a complete search.
N	B64D 45/0029		Group B64D 45/0029 is incomplete pending reclassification of documents from group B64D 45/0015. Groups B64D 45/0015 and B64D 45/0029 should be considered in order to perform a complete search.
N	B64D 45/0031		Group B64D 45/0031 is impacted by reclassification into group B64D 45/0034. Groups B64D 45/0031 and B64D 45/0034 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	B64D 45/0034		Group B64D 45/0034 is incomplete pending reclassification of documents from group B64D 45/0031. Groups B64D 45/0031 and B64D 45/0034 should be considered in order to perform a complete search.
N	B64D 45/0036		Group B64D 45/0036 is impacted by reclassification into groups B64D 45/0039, B64D 45/0044, and B64D 45/0048. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64D 45/0039		Group B64D 45/0039 is incomplete pending reclassification of documents from group B64D 45/0036. Groups B64D 45/0036 and B64D 45/0039 should be considered in order to perform a complete search.
N	B64D 45/0044		Group B64D 45/0044 is incomplete pending reclassification of documents from group B64D 45/0036. Groups B64D 45/0036 and B64D 45/0044 should be considered in order to perform a complete search.
N	B64D 45/0048		Group B64D 45/0048 is incomplete pending reclassification of documents from group B64D 45/0036. Groups B64D 45/0036 and B64D 45/0048 should be considered in order to perform a complete search.

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

NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

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2. A. DEFINITIONS (new)

Insert: The following new Definitions.

B64D45/0028

Relationships with other classification places

Doors or door arrangements specially adapted to restrict unauthorized access are classified in this place ([B64D 45/0028](#)) and in [B64C 1/1469](#) (multiple classification).

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Locks	E05B
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B64D45/0061

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Armour; Armour plates	F41H 5/00
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2. A. DEFINITIONS (modified)

Insert: The following changes into the existing Definitions.

B64C 1/1469

Relationships with other classification places

Delete: The following statement.

Anti-hijacking systems: B64D 45/0015

Insert: The following new paragraph into the existing *Relationship with other places* section.

Doors or door arrangements specially adapted to restrict unauthorized access are classified in this place (B64C 1/1469) and in B64D 45/0028 (multiple classification).

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3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	B64D 45/0015	B64D 45/0015, B64D 45/0018, B64D 45/0021, B64D 45/0026, B64D 45/0028, B64D 45/0029
D	B64D 2045/002	<administrative transfer to B64D 45/0036 INV>
D	B64D 2045/0025	<administrative transfer to B64D 45/0042 INV>
D	B64D 2045/003	<administrative transfer to B64D 45/0051 INV>
Q	B64D 45/0031	B64D 45/0031, B64D 45/0034
D	B64D 2045/0035	<administrative transfer to B64D 45/0053 INV>
Q	B64D 45/0036	B64D 45/0036, B64D 45/0039, B64D 45/0044, B64D 45/0048
D	B64D 2045/004	<administrative transfer to B64D 45/0056 INV>
D	B64D 2045/0045	<administrative transfer to B64D 45/0059 INV>
D	B64D 2045/005	<administrative transfer to B64D 45/0061 INV>
D	B64D 2045/0055	<administrative transfer to B64D 45/0031 INV>
D	B64D 2045/006	<administrative transfer to B64D 45/0063 INV>

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:

- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“To”) symbol, however it is required to specify “<no transfer>” in the “To” column for such cases.
- RCL is not needed for finalisation projects.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B64D 45/0018	B64D 45/00	NEW
B64D 2045/002		DELETE
B64D 45/0021	B64D 45/00	NEW
B64D 2045/0025		DELETE
B64D 45/0026	B64D 45/00	NEW
B64D 45/0028	B64D 45/00	NEW
B64D 45/0029	B64D 45/00	NEW
B64D 2045/003		DELETE
B64D 45/0031	B64D 45/00	NEW
B64D 45/0034	B64D 45/00	NEW
B64D 2045/0035		DELETE
B64D 45/0036	B64D 45/00	NEW
B64D 45/0039	B64D 45/00	NEW
B64D 2045/004		DELETE
B64D 45/0042	B64D 45/00	NEW
B64D 45/0044	B64D 45/00	NEW
B64D 2045/0045		DELETE
B64D 45/0048	B64D 45/00	NEW
B64D 2045/005		DELETE
B64D 45/0051	B64D 45/00	NEW
B64D 45/0053	B64D 45/00	NEW
B64D 2045/0055		DELETE
B64D 45/0056	B64D 45/00	NEW
B64D 45/0059	B64D 45/00	NEW
B64D 2045/006		DELETE
B64D 45/0061	B64D 45/00	NEW
B64D 45/0063	B64D 45/00	NEW

*Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with “NEW.”
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

- F symbols are not included in the CICL table above.
- E and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.