

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1698

DATE: JANUARY 1, 2025

PROJECT RP12459

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Titles Changed:	B64D	1/00, 1/04, 1/18
	B64D	3/00
	B64D	5/00
	B64D	7/00, 7/08
	B64D	9/00, 9/003
	B64D	10/00
	B64D	11/0023, 11/02
	B64D	13/00
	B64D	15/00, 15/06, 15/12, 15/16
	B64D	17/00, 17/30
	B64D	25/00, 25/08, 25/18, 25/20
	B64D	27/02
	B64D	29/00, 29/02
	B64D	33/00, 33/02, 33/04, 33/06, 33/08
	B64D	35/08
	B64D	37/02, 37/14, 37/16, 37/32
	B64D	39/00, 39/04
	B64D	43/00
	B64D	45/00, 45/02
Warnings New:	B64D	35/022, 35/023, 35/024, 35/025, 35/08
Warnings Modified:	B64D	SUBCLASS
Notes Modified:	B64D	17/02
DEFINITIONS:		
Definitions New:	B64D	9/003
	B64D	11/0023
	B64D	33/06
Definitions Modified:	B64D	1/04
	B64D	10/00
	B64D	13/00, 13/06
	B64D	29/00
	B64D	33/04
	B64D	37/32

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)

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- 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; FLIGHT SUITS; PARACHUTES; ARRANGEMENT OR MOUNTING OF POWER PLANTS OR PROPULSION TRANSMISSIONS IN AIRCRAFT

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
U	B64D	Subclass	EQUIPMENT FOR FITTING IN OR TO AIRCRAFT; FLIGHT SUITS; PARACHUTES; ARRANGEMENT OR MOUNTING OF POWER PLANTS OR PROPULSION TRANSMISSIONS IN AIRCRAFT	
M	B64D1/00	0	Dropping, ejecting, releasing or receiving articles, liquids, or the like, in flight (refuelling during flight B64D39/00; launching apparatus for projecting projectiles or missiles F41F1/00, F41F7/00; rocket or torpedo launchers F41F3/00; weapon sights or aiming F41G)	
M	B64D1/04	2	the articles being explosive, e.g. bombs	
M	B64D1/18	2	by spraying, e.g. insecticides	
M	B64D3/00	0	Aircraft adaptations to facilitate towing or being towed	
M	B64D5/00	0	Aircraft transported by aircraft, e.g. for release or reberthing during flight	
M	B64D7/00	0	Arrangement of military equipment, e.g. armaments, armament accessories or military shielding, in aircraft; Adaptations of armament mountings for aircraft (dropping bombs or the like B64D1/00)	
M	B64D7/08	1	Arrangement of rocket launchers	
M	B64D9/00	0	Equipment for handling freight; Equipment for facilitating passenger embarkation or the like	
M	B64D9/003	1	{Devices for retaining pallets or freight containers}	
M	B64D10/00	0	Flight suits	
M	B64D11/0023	1	{Movable or removable cabin dividers, e.g. for class separation}	
M	B64D11/02	1	Toilet fittings	
M	B64D13/00	0	Arrangements or adaptations of a ir-treatment apparatus for aircraft crew or passengers, or freight space	

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M	B64D15/00	0	De-icing or preventing icing on exterior surfaces of aircraft	
M	B64D15/06	2	Liquid application	
M	B64D15/12	1	by electric heating (heating arrangements specially adapted for transparent or reflecting areas H05B3/84)	
M	B64D15/16	1	by mechanical means, e.g. pulsating mats or shoes attached to, or built into, surface	
M	B64D17/00	0	Parachutes (non-canopied parachutes B64D19/00)	
M	B64D17/30	2	Harnesses	
M	B64D25/00	0	Emergency apparatus or devices, not otherwise provided for	
M	B64D25/08	1	Ejecting or escaping means	
M	B64D25/18	2	Flotation gear	
M	B64D25/20	2	Releasing of crash-position indicators	
M	B64D27/02	1	Aircraft characterised by the type or position of power plants	
M	B64D29/00	0	Power-plant nacelles, fairings or cowlings	
M	B64D29/02	1	associated with wings	
M	B64D33/00	0	Arrangement in aircraft of power plant parts or auxiliaries not otherwise provided for	
M	B64D33/02	1	of combustion air intakes	
M	B64D33/04	1	of exhaust outlets or jet pipes	
M	B64D33/06	2	{Silencing exhaust or propulsion jets}	
M	B64D33/08	1	of power plant cooling systems	
T	B64D35/022	3	of hybrid-electric type	
T	B64D35/023	4	of series-parallel type	
T	B64D35/024	4	of series type	
T	B64D35/025	4	of parallel type	
C	B64D35/08	1	characterised by the transmission being driven by a plurality of power plants (for hybrid-electric power plants B64D35/022)	B64D35/08, B64D35/022, B64D35/023, B64D35/024, B64D35/025
M	B64D37/02	1	Tanks (tanks constructed integrally with aircraft wings B64C3/34)	
M	B64D37/14	2	Filling or emptying (transferring fuels to adjust aircraft trim B64C17/10)	
M	B64D37/16	3	Filling systems (ground installations for fuelling aircraft B64F1/28)	
M	B64D37/32	1	Safety measures not otherwise provided for, e.g. preventing explosive conditions	
M	B64D39/00	0	Refuelling during flight	
M	B64D39/04	1	Adaptations of hose construction	
M	B64D43/00	0	Arrangements or adaptations of instruments	
M	B64D45/00	0	Aircraft indicators or protectors not otherwise provided for	

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M	B64D45/02	1	Lightning protectors; Static dischargers
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*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).
- 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 finalization 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 notice(s)

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

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning</u>
M	B64D	<p>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: B64D15/18 covered by B64D15/16 B64D25/102 covered by B64D25/10 B64D25/105 covered by B64D25/10 B64D25/108 covered by B64D25/10 B64D25/11 covered by B64D25/10 B64D25/112 covered by B64D25/10 B64D25/115 covered by B64D25/10 B64D25/118 covered by B64D25/10</p> <p>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.</p>	<p>The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups: B64D 15/18 covered by B64D 15/16 B64D 25/102 covered by B64D 25/10 B64D 25/105 covered by B64D 25/10 B64D 25/108 covered by B64D 25/10 B64D 25/11 covered by B64D 25/10 B64D 25/112 covered by B64D 25/10 B64D 25/115 covered by B64D 25/10 B64D 25/118 covered by B64D 25/10</p>
N	B64D35/022		<p>Group B64D 35/022 is incomplete pending reclassification of documents from group B64D 35/08.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	B64D35/023		<p>Group B64D 35/023 is incomplete pending reclassification of documents from group B64D 35/08.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	B64D35/024		<p>Group B64D 35/024 is incomplete pending reclassification of documents from group B64D 35/08.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	B64D35/025		<p>Group B64D 35/025 is incomplete pending reclassification of documents from group B64D 35/08.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>

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N	B64D35/08		Group B64D 35/08 is impacted by reclassification into groups B64D 35/023, B64D 35/025, B64D 35/024 and B64D 35/022. All groups listed in this Warning should be considered in order to perform a complete search.
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*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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C. New, Modified or Deleted Note(s)

**SUBCLASS B64D - EQUIPMENT FOR FITTING IN OR TO AIRCRAFT; FLIGHT SUITS;
PARACHUTES; ARRANGEMENT OR MOUNTING OF POWER PLANTS OR PROPULSION
TRANSMISSIONS IN AIRCRAFT**

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	B64D17/02	B64D 17/025 takes precedence over B64D 17/04 - B64D 17/18	{B64D 17/025 takes precedence over B64D 17/04 - B64D 17/20}

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

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

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2. A. DEFINITIONS (new)

B64D 9/003

References

Informative references

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

Securing freight containers on vehicles	B60P 7/13
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B64D 11/0023

References

Informative references

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

Aircraft bulkheads	B64C 1/10
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B64D 33/06

References

Informative references

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

Ground installations for reducing engine or jet noise	B64F 1/26
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2. A. DEFINITIONS (modified)

B64D1/04

Replace: The existing Definition statement with the following updated statement.

Definition statement

- Ejector systems for missiles;
- Devices for separating bombs from fuselage.

Delete: The entire Special rules section.

B64D 10/00

Replace: The existing Definition statement with the following updated statement.

Definition statement

- Garments for pilots, e.g. g-suits, trousers or bladders;
- Helmets;
- Oxygen supply, e.g. valves, pilots' masks or controllers.

References

Delete: The entire Limiting references section.

Insert: The following two new rows to the existing Informative references table.

Informative references

Helmets in general	A42B 3/00
Breathing helmets	A62B 18/00

Delete: The entire Special rules section.

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B64D 13/00

Delete: The entire Special rules section.

B64D13/06

References

Insert: The following new Limiting references section.

Limiting references

This place does not cover:

Cabin pressurising systems	B64D13/02
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Delete: The following row from the existing Informative references table.

Informative references

Cabin pressurizing systems	B64D13/02
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Delete: The entire Special rules section.

B64D 29/00

Replace: The existing Definition statement with the following updated text.

Definition statement

Fairings, seals or liners.

References

Delete: The entire Limiting references section.

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Insert: The following new Informative references section.

Informative references

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

Aerodynamic aspects of nacelles	B64C 7/02
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B64D 33/04

Delete: The existing Definition statement.

References

Delete: The existing Limiting references section.

Insert: The following new row into the Informative references table.

Informative references

Attitude, flight direction or altitude control of aircraft by jet reaction	B64C
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Delete: The existing Special rules section.

B64D37/32

Replace: The existing Definition statement with the following updated statement.

Definition statement

- Inerting systems;
- Fire extinguishing;
- Ram shock protection.

Delete: The entire Special rules section.

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3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	B64D35/08	B64D35/08, B64D35/022, B64D35/023, B64D35/024, B64D35/025

* 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 finalization 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 33/06	B64D 33/04	UPDATE

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