

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1374

DATE: JANUARY 1, 2023

PROJECT RP11903

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>SCHEME:</b>		
Symbols New:	B64C	21/01
Titles Changed:	B64C	5/00, 5/02, 5/06, 5/08, 5/18
	B64C	9/08, 9/14, 9/32
	B64C	11/00, 11/46
	B64C	13/14
	B64C	17/06, 17/08
	B64C	21/00, 21/02, 21/04, 21/06
	B64C	23/00
	B64C	25/32, 25/36, 25/42, 25/46, 25/50, 25/56, 25/58, 25/68
	B64C	27/32, 27/37, 27/41, 27/52, 27/56, 27/58, 27/64, 27/68
Indents Changed:	B64C	27/64, 27/68
Warnings New:	B64C	21/00, 21/01, 21/025, 21/04, 21/06, 21/08
Warnings Modified:	B64C	SUBCLASS
Guidance Headings Modified:	B64C	1/00
	B64C	21/00
	B64C	27/00
<b>DEFINITIONS:</b>		
Definitions New:	B64C	21/01
Definitions Modified:	B64C	SUBCLASS
	B64C	1/00, 1/24, 1/32, 1/34, 1/40
	B64C	3/00, 3/18, 3/20, 3/30, 3/34, 3/46, 3/50, 3/54, 3/58
	B64C	5/00, 5/02, 5/18
	B64C	9/00, 9/08, 9/10, 9/14, 9/32
	B64C	11/00
	B64C	13/14, 13/18
	B64C	15/00, 15/14
	B64C	17/06, 17/08
	B64C	21/00, 21/025, 21/04, 21/06, 21/08
	B64C	23/00
	B64C	25/36, 25/42, 25/50, 25/56, 25/58, 25/68
	B64C	27/00, 27/28, 27/32, 27/37, 27/56, 27/58
	B64C	29/00
	B64C	30/00
	B64C	31/02, 31/036, 31/04, 31/06

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	B64C	35/00
	B64C	37/00, 37/02
	B64C	39/08

**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 B64C - AEROPLANES; HELICOPTERS**

<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>
M	B64C5/00	0	Stabilising surfaces	
M	B64C5/02	1	Tailplanes	
M	B64C5/06	1	Fins (B64C5/08 takes precedence)	
M	B64C5/08	1	mounted on, or supported by, wings	
M	B64C5/18	2	in area	
M	B64C9/08	1	bodily displaceable	
M	B64C9/14	1	forming slots	
M	B64C9/32	1	Air braking surfaces	
M	B64C11/00	0	Propellers, e.g. of ducted type; Features common to propellers and rotors for rotorcraft	
M	B64C11/46	1	Arrangements of, or constructional features peculiar to, multiple propellers {(B64C 11/306 takes precedence)}	
M	B64C13/14	3	lockable	
M	B64C17/06	2	by gyroscopic apparatus	
M	B64C17/08	1	by ballast supply or discharge	
C	B64C21/00	0	Influencing air flow over aircraft surfaces by affecting boundary layer flow	B64C21/00, B64C21/01
N	B64C21/01	1	Boundary layer ingestion [BLI] propulsion	
M	B64C21/02	1	by use of slot, ducts, porous areas or the like	
C	B64C21/025	2	{for simultaneous blowing and sucking }	B64C21/025, B64C21/01
C	B64C21/04	2	for blowing	B64C21/04, B64C21/01
C	B64C21/06	2	for sucking (BLI propulsion B64C21/01)	B64C21/06, B64C21/01
C	B64C21/08	2	adjustable	B64C21/08, B64C21/01, B64C21/04, B64C21/06
M	B64C23/00	0	Influencing air flow over aircraft surfaces, not otherwise provided for	
M	B64C25/32	1	characterised by elements which contact the ground or similar surface (arres ter hooks B64C25/68)	

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M	B64C25/36	3	Arrangements or adaptations of wheels, tyres or axles in general	
M	B64C25/42	2	Arrangement or adaptation of brakes	
M	B64C25/46	4	Brake regulators for preventing skidding or aircraft somersaulting	
M	B64C25/50	2	Steerable undercarriages; Shimmy-damping	
M	B64C25/56	3	inflatable	
M	B64C25/58	2	Arrangements or adaptations of shock-absorbers or springs (shimmy-dampers B64C25/50)	
M	B64C25/68	1	Arrester hooks	
M	B64C27/32	1	Rotors	
M	B64C27/37	2	having articulated joints	
M	B64C27/41	3	with flapping hinge or universal joint, common to the blades	
M	B64C27/52	1	Tilting of rotor bodily relative to fuselage (of see-saw type construction B64C 27/43)	
M	B64C27/56	2	characterised by the control initiating means, e.g. manually actuated	
M	B64C27/58	2	Transmitting means, e.g. interrelated with initiating means or means acting on blades (means acting on blades B64C 27/72)	
M	B64C27/64	3	using fluid pressure, e.g. having fluid power amplification	
M	B64C27/68	3	using electrical energy, e.g. having electrical power amplification	

\*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.

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- 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 B64C - AEROPLANES; HELICOPTERS**

<b><u>Type*</u></b>	<b><u>Location</u></b>	<b><u>Old Warning notice</u></b>	<b><u>New/Modified Warning</u></b>
M	B64C	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.	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. }
N	B64C21/00		Group B64C 21/00 is impacted by reclassification into group B64C 21/01. Groups B64C 21/00 and B64C 21/01 should be considered in order to perform a complete search.
N	B64C21/01		Group B64C 21/01 is incomplete pending reclassification of documents from groups B64C 21/00, B64C 21/025, B64C 21/04, B64C 21/06 and B64C 21/08. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C21/025		Group B64C 21/025 is impacted by reclassification into group B64C 21/01. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C21/04		Group B64C 21/04 is incomplete pending reclassification of documents from group B64C 21/08. Group B64C 21/04 is also impacted by reclassification into group B64C 21/01. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C21/06		Group B64C 21/06 is incomplete pending reclassification of documents from group B64C 21/08. Group B64C 21/06 is also impacted by reclassification into group B64C 21/01. All groups listed in this Warning should be considered in order to perform a complete search.

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N	B64C21/08		Group B64C 21/08 is impacted by reclassification into group B64C 21/04, B64C 21/06 and B64C 21/01. 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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D. New, Modified or Deleted Guidance Heading(s)

**SUBCLASS B64C - AEROPLANES; HELICOPTERS**

<u>Type*</u>	<u>Location</u>	<u>Old Guidance Heading</u>	<u>New/Modified Guidance Heading</u>
M	B64C1/00 – B64C7/00	Aircraft structures or fairings (boundary-layer controls B64C 21/00)	Aircraft structures or fairings
M	B64C21/00 – B64C23/00	Influencing air-flow over aircraft surfaces, not otherwise provided for	Influencing air flow over aircraft surfaces, not otherwise provided for
M	B64C27/00 – B64C39/00	Aircraft kinds and components not otherwise provided for	Aircraft kinds or components not otherwise provided for

\*N = new guidance heading, M =modified guidance heading, D = deleted guidance heading

NOTES:

- The “Location” column requires the symbol AFTER the guidance heading location. No further directions such as “before” or “after” are required.
- In cases where there may be confusion as to whether a new group falls within the scope of a guidance heading, indicate the guidance heading and whether the group does or does not go with the guidance heading. This can be included in the “Location” column. For example, the guidance heading “Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen” encompasses groups C07C 301/00-395/00 only. If a new group C07C 398/00 is proposed and is included in the guidance heading scope, indicate this in the “Location” column as follows: 398/00 to be included under the guidance heading: “Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen.”



## 2. A. DEFINITIONS (new)

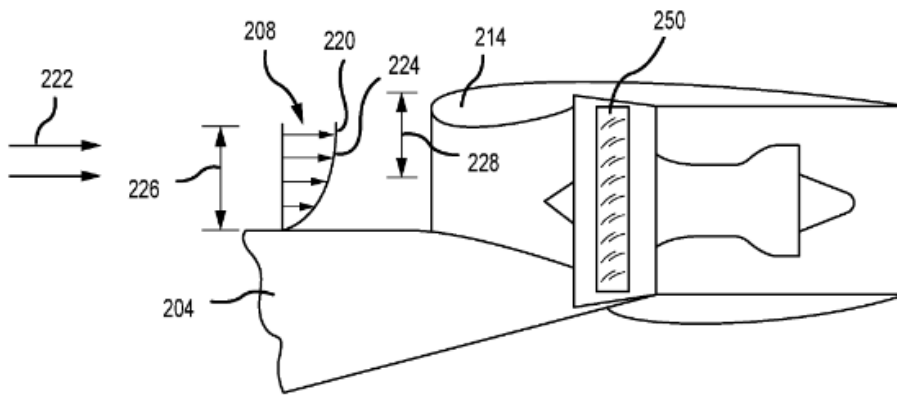
### B64C 21/01

#### Definition statement

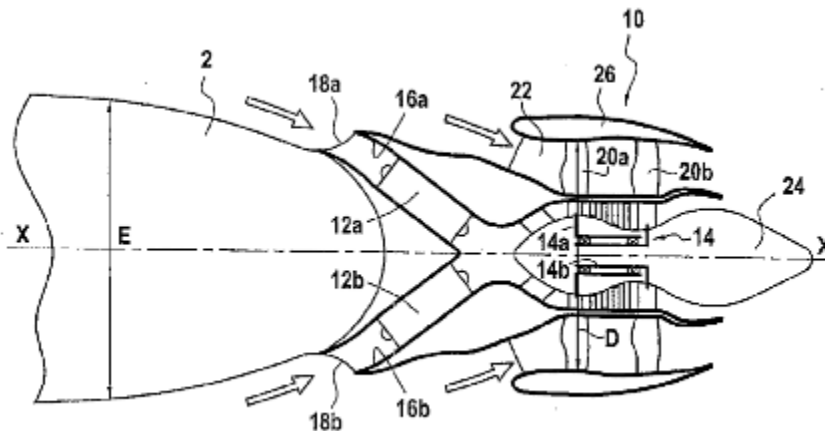
*This place covers:*

Propulsion arrangements which ingest some or all of the aircraft surface boundary layer.

Illustrative example of the subject matter classified in this group:



Illustrative example of the subject matter classified in this group:



## 2. A. DEFINITIONS (modified)

### B64C

Insert: The following new Informative references section.

#### References

##### Informative references

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

Air-cushion vehicles	B60V
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Delete: The entire Special rules of classification section.

### B64C 1/00

#### Definition statement

Replace: In the fifth bullet of the Definition statement, the semicolon with a period. The rest of the Definition statement should remain as-is.

- Attachment of wing or tail units or stabilising surfaces to the fuselage.

#### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

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### **Informative references**

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

Aerodynamical features common to fuselages, wings, stabilising surfaces or the like	B64C 23/00
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### **Special rules of classification**

Insert: A period at the end of the last line of the Special rules of classification section.

As an example, a helicopter fuselage with crash absorbing frames would be attributed the symbols B64C 1/062 and B64C 27/04.

**B64C 1/24**

### **References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

### **Informative references**

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

Readily removable	B64D 9/00
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**B64C 1/32**

**References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

**Informative references**

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

Ejection seats	<a href="#">B64D 25/10</a>
Ejectable capsules	<a href="#">B64D 25/12</a>

**B64C 1/34**

**References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

**Informative references**

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

Inflatable structural components for wings	<a href="#">B64C 3/30</a>
Varying camber of complete wings or parts thereof by inflatable elements	<a href="#">B64C 3/46</a>
Connection of valves to inflatable elastic bodies	<a href="#">B60C 29/00</a>

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## B64C 1/40

### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

### Informative references

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

Cooling of the external fuselage skin	<a href="#">B64C 1/38</a>
Insulating elements for vehicles in general	<a href="#">B60R 13/08</a>

## B64C 3/00

### References

### Limiting references

Replace: The existing Limiting references table with the following updated table.

*This place does not cover:*

Ornithopter wings	<a href="#">B64C 33/02</a>
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### Informative references

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

Replace: The existing Informative references table with the following updated table.

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Stabilising surfaces	B64C 5/00
Hang-glider wings (delta-shaped)	B64C 31/032
Hang-glider wings (parafoil)	B64C 31/036
Disc- or ring-shaped wings	B64C 39/06 - B64C 39/068
Flying wings	B64C 39/10
Working with plastics	B29C

**B64C 3/18**

Delete: The entire Relationships with other classification places section.

**References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

**Informative references**

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

Frames; Stringers; Longerons; Fuselage sections	B64C 1/06
Attaching wing unit to fuselage	B64C 1/26

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## B64C 3/20

### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

#### Informative references

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

Layered products or sandwich constructions in general	B32B
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## B64C 3/30

### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

#### Informative references

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

For variation of shape, e.g. camber, for aerodynamical purposes	B64C 3/46
Connection of valves to inflatable elastic bodies	B60C 29/00

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**B64C 3/34**

**References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

**Informative references**

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

Fuel tanks	<a href="#">B64D 37/02</a>
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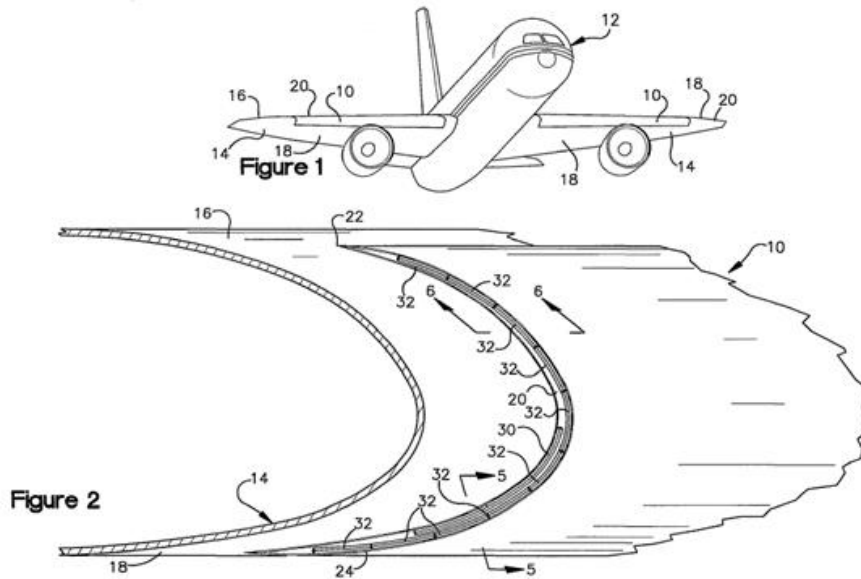
**B64C 3/46**

**Definition statement**

Replace: The existing Definition statement text with the following updated text. Images should remain as-is.

*This place covers:*

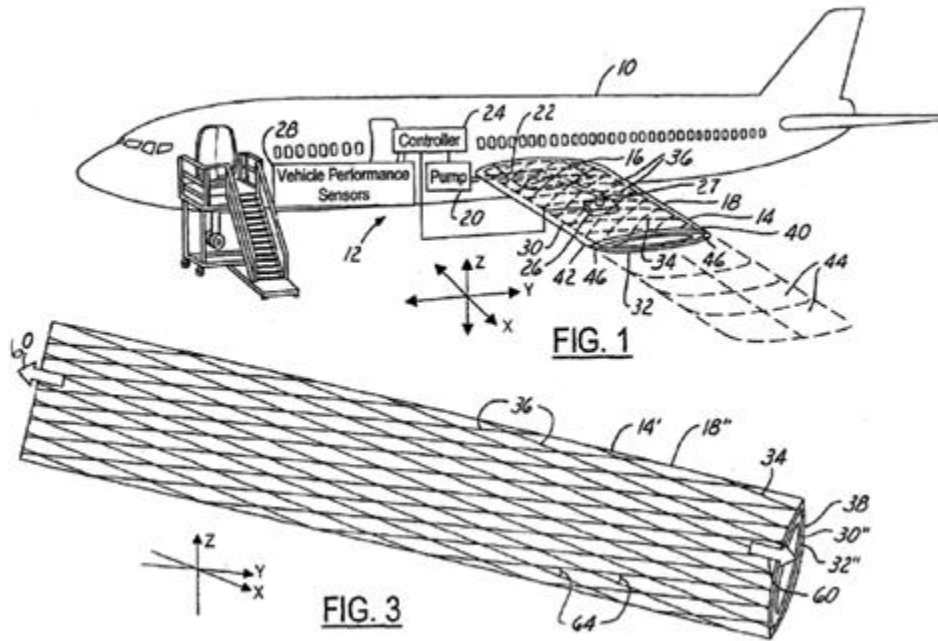
Illustrative example of subject matter classified in this group (variation of camber by inflatable elements):



Illustrative example of subject matter classified in this group (wing skins are elastic; morphing, see also Glossary of Terms):

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**References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

**Informative references**

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

Connection of valves to elastic bodies	<a href="#">B60C 29/00</a>
Inflatable elements for deicing only, e.g. inflatable leading edge boots	<a href="#">B64D 15/166</a>

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## B64C 3/50

### Definition statement

*This place covers:*

Delete: The term “and/” from the Definition statement.

Integral leading or trailing edge parts of wings forming flaps by being movable by (elastic) deformation.

Delete: The entire Relationships with other classification places section.

### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

#### Informative references

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

Ailerons	B64C 9/00
Bodily displaceable control surfaces	B64C 9/08

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## B64C 3/54

### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

#### Informative references

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

Flaps extendable to increase camber	B64C 3/44
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## B64C 3/58

### References

Insert: The following new Informative references section.

#### Informative references

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

Generating vortices over aircraft surfaces not otherwise provided for	B64C 23/06
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## B64C 5/00

### Definition statement

*This place covers:*

Replace: The parenthesis with a period at the end of the Definition statement.

Substantially fixed stabilising structures such as tailplanes, noseplanes and fins.  
Adjustable stabilising structures only when adjustment is limited and not for primary control purposes, e.g. an adjustable tail plane.

### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

#### Informative references

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

Attaching stabilising surfaces to fuselage	B64C 1/26
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## B64C 5/02

### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

#### Informative references

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

Fins	B64C 5/06
Movable parts	B64C 9/00

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## B64C 5/18

Delete: The entire Relationships with other classification places section.

### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

#### Informative references

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

Attaching stabilising surfaces to fuselages	B64C 1/26
Varying wing area for variation in lift	B64C 3/54 - B64C 3/546

## B64C 9/00

### References

Insert: The following new Informative references section.

#### Informative references

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

Systems for actuating flying-control surfaces	B64C 13/00
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**B64C 9/08**

**References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

***Informative references:***

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

Varying camber of wings	B64C 3/44
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**B64C 9/10**

**References**

**Limiting references**

*This place does not cover:*

Replace: The existing Limiting references table with the following updated table.

Adjustable control surfaces with compound dependent movements	B64C 9/04
Adjusting surfaces of different type of function being simultaneously adjusted	B64C 9/12

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**B64C 9/14**

Delete: The entire Relationships with other classification places section.

**References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

**Informative references**

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

Fixed leading or trailing edge slots	<a href="#">B64C 3/28</a>
Boundary-layer control	<a href="#">B64C 21/00</a>

**B64C 9/32**

Delete: The entire Relationships with other classification places section.

**References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

**Informative references**

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

Stabilising surfaces for retraction against or within fuselage or nacelle	<a href="#">B64C 5/12</a>
Braking by parachutes	<a href="#">B64D 17/80</a>



## B64C 11/00

### Definition statement

*This place covers:*

Delete: The hyphen from the second bullet of the Definition statement.

- Propeller vibration absorbing or balancing means. Arrangements of multiple propellers (e.g. coaxial propellers).

Delete: The entire Relationships with other classification places section.

### References

Delete: The entire Limiting references section.

Insert: The following new Application-oriented references section.

#### Application-oriented references

*Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

Rotors specially adapted for rotorcraft	<a href="#">B64C 27/32</a>
Helicopter rotor blades with tips for noise reduction	<a href="#">B64C 27/463</a>

Insert: The following new Informative references section.

#### Informative references

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

In marine propulsion	<a href="#">B63H</a>
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In gas turbines (except for some documents relating to propellers of the "unducted fan" or "open rotor" type)	F02C, F01D
In wind motors/generators	F03D
In pumps	F04D
In (domestic) ventilation fans	F04D

### Special rules of classification

Delete: The term "and/" from the Special rules of classification section.

Propellers and associated components are only attributed [B64C 11/00](#) or associated subgroup symbols when they are disclosed as being for use with aircraft, generally for producing longitudinal thrust.

### B64C 13/14

#### Definition statement

*This place covers:*

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

For example, locking a yoke against the dashboard to lock the control surfaces against wind gusts.

#### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

#### Informative references

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

Locking in position to suit individual persons	<a href="#">B64C 13/06</a>
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## B64C 13/18

Delete: The entire Relationships with other classification places section.

## References

Insert: The following new Informative references section.

### Informative references

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

Lighter-than-air aircraft	B64B
Automatic pilots per se	G05D 1/00

## B64C 15/00

## References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

### Informative references

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

Altitude control of rotorcraft	B64C 27/00
Vertical take-off and landing [VTOL] aircraft	B64C 29/00
Details of jet-engine plants, e.g. of nozzles or jet pipes	F02K

## B64C 15/14

### References

#### Limiting references

*This place does not cover:*

Delete: The following reference from the Limiting references table.

Boundary layer control	B64C 21/04
------------------------	------------

Insert: The following new Informative references section.

#### Informative references

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

Boundary layer control	<a href="#">B64C 21/04</a>
------------------------	----------------------------

## B64C 17/06

### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

#### Informative references

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

Initiating means using automatic pilots	<a href="#">B64C 13/18</a>
Automatic pilots	<a href="#">G05D 1/00</a>

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## B64C 17/08

Delete: The entire Relationships with other classification places section.

Insert: The following new Informative references section.

### Informative references

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

Ballasting arrangements in lighter-than-air aircraft	B64B 1/70
--	-----------

## B64C 21/00

Delete: The entire Relationships with other classification places section.

### References

#### Informative references

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

Delete: The partial symbol "1/00" from the symbol in the following reference.

Boundary layer control in general	F15D
-----------------------------------	------

**B64C 21/025**

**Definition statement**

*This place covers:*

Insert: A period at the end of the Definition statement.

Fluid is blown and sucked.

**References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

**Informative references**

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

Adjustable	B64C 21/08
------------	------------

**B64C 21/04**

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

**Informative references**

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

Adjustable	B64C 21/08
------------	------------

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## B64C 21/06

### Definition statement

*This place covers:*

Insert: A period at the end of the Definition statement.

Fluid is only sucked.

### References

#### Limiting references

*This place does not cover:*

Replace: The existing text in the Limiting references table with the following updated text.

BLI propulsion	B64C 21/01
----------------	------------

Insert: The following new Informative references section.

#### Informative references

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

Adjustable	B64C 21/08
------------	------------

## **B64C 21/08**

### **Definition statement**

*This place covers:*

Insert: A comma following the term “by” in the Definition statement.

Fluid flow is explicitly adjustable by, e.g. valves, variable aperture or slot area, variable pump action or fluid pressure.

### **References**

Delete: The entire Limiting references section.

Insert: The following new Special rules of classification section.

### **Special rules of classification**

Always classify, in the case of blown or sucked fluid, also in [B64C 21/025](#) or [B64C 21/04](#) or [B64C 21/06](#).

## **B64C 23/00**

Delete: The entire Relationships with other classification places section.

### **References**

Delete: The entire Limiting references section.

Insert: The following new References out of a residual place section.

### **References out of a residual place**

*Examples of places in relation to which this place is residual:*



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Attitude control by jet reaction	B64C 15/00
Influencing boundary layer	B64C 21/00

**B64C 25/36****References****Informative references**

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

Replace: The existing Informative references table with the following updated table.

Construction of wheels or axles in general	B60B
Construction of tyres in general	B60C

**B64C 25/42****References**

Delete: The entire Limiting references section.

**Informative references**

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

Insert: The following new reference in the Informative references table.

The ground braking force being regulated, at least in part, by a speed condition, e.g. acceleration or deceleration of the ground engaging alighting gear	B60T 8/32
---	-----------

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## B64C 25/50

### Definition statement

*This place covers:*

Replace: The term “whcih” with the corrected term “which” in the Definition statement.

Undercarriages which can be steered, relevant control systems and actuators, steering angle warning systems.

Delete: The entire Relationships with other classification places section.

### References

Insert: The following new Informative references section.

#### Informative references

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

Steering devices for land vehicles	B62D
When operated in combination with towing vehicles	B64F 1/22

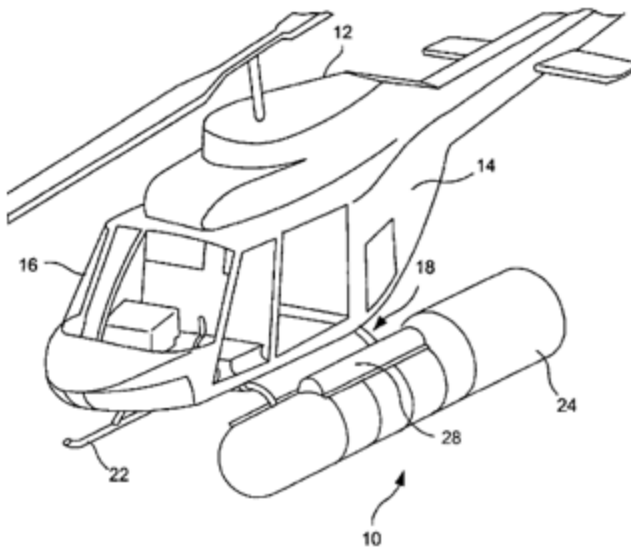
**B64C 25/56**

**Definition statement**

*This place covers:*

Replace: The existing image with the following new text and image in the Definition statement.

Illustrative example of subject matter classified in this group:



**References**

Insert: The following new Informative references section.

**Informative references**

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

Connection of valves to inflatable elastic bodies	<a href="#">B60C 29/00</a>
---	----------------------------

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## B64C 25/58

Delete: The entire Relationships with other classification places section.

## References

Insert: The following new Limiting references section.

### Limiting references

*This place does not cover:*

Shimmy-dampers	B64C 25/50
----------------	------------

### Informative references

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

Replace: The existing Informative references table with the following updated table.

Vehicle suspension arrangements in general	B60G
Shock-absorbers per se	F16F

## B64C 25/68

### Definition statement

*This place covers:*

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

Capturing or retrieving systems on aircraft.

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Delete: The entire Relationships with other classification places section.

## References

Insert: The following new Informative references section.

### Informative references

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

Ground or aircraft carrier deck installations for arresting aircraft	B64F 1/02
Launching or towing gear	B64F 1/04

## B64C 27/00

### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

### Informative references

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

Alighting gear	B64C 25/00
----------------	------------

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## B64C 27/28

### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

#### Informative references

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

Vertical take-off and landing [VTOL] aircraft, e.g. tiltrotors	B64C 29/00
--	------------

## B64C 27/32

Delete: The entire Relationships with other classification places section.

### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

#### Informative references

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

Features common to rotors and propellers	B64C 11/00
--	------------

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## B64C 27/37

### References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

#### Informative references

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

Having flexing arms	<a href="#">B64C 27/33</a>
Having elastomeric joints	<a href="#">B64C 27/35</a>

## B64C 27/56

Delete: The entire Relationships with other classification places section.

### References

#### Informative references

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

Insert: The following two new references in the Informative references table.

Personal control surface initiating means in aeroplanes	<a href="#">B64C 13/04</a>
Transmitting means, e.g. interrelated with initiating means or means acting on blades	<a href="#">B64C 27/58</a>

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## B64C 27/58

Delete: The entire Relationships with other classification places section.

## References

Insert: The following new Limiting references section.

### Limiting references

*This place does not cover:*

Means acting on blades	<a href="#">B64C 27/72</a>
------------------------	----------------------------

Insert: The following new Informative references section.

### Informative references

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

Transmitting means for aeroplanes	<a href="#">B64C 13/24 - B64C 13/503</a>
Initiating means	<a href="#">B64C 27/56</a>

## B64C 29/00

### Definition statement

*This place covers:*

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

Vertical take-off and landing (VTOL) aircraft, e.g. of the tiltrotor types.



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**References****Limiting references***This place does not cover:*Delete: The following two references from the Limiting references table.

Attitude, flight direction or altitude control by jet reaction	B64C 15/00
Air-cushion vehicles	B60V

Insert: The following new Informative references section.**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Attitude, flight direction, or altitude control by jet reaction	B64C 15/00
Air-cushion vehicles	B60V
Details of jet-engine plants, e.g. of nozzles or jet pipes	F02K

**B64C 30/00****References**Delete: The entire Limiting references section.Insert: The following new Informative references section.**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Airfoil profiles	B64C 3/14
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## B64C 31/02

Insert: The following new Limiting references section.

### References

#### Limiting references

*This place does not cover:*

Hang-gliders	B64C 31/028
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## B64C 31/036

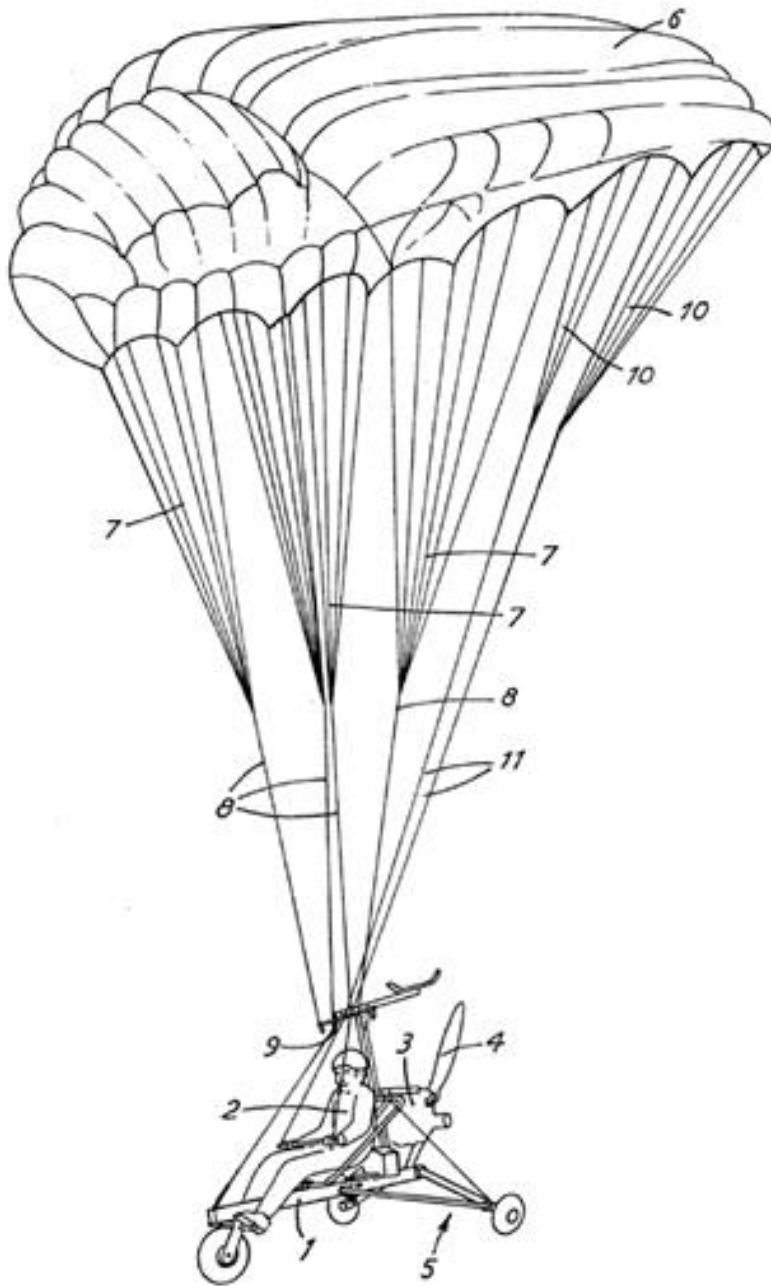
### Definition statement

*This place covers:*

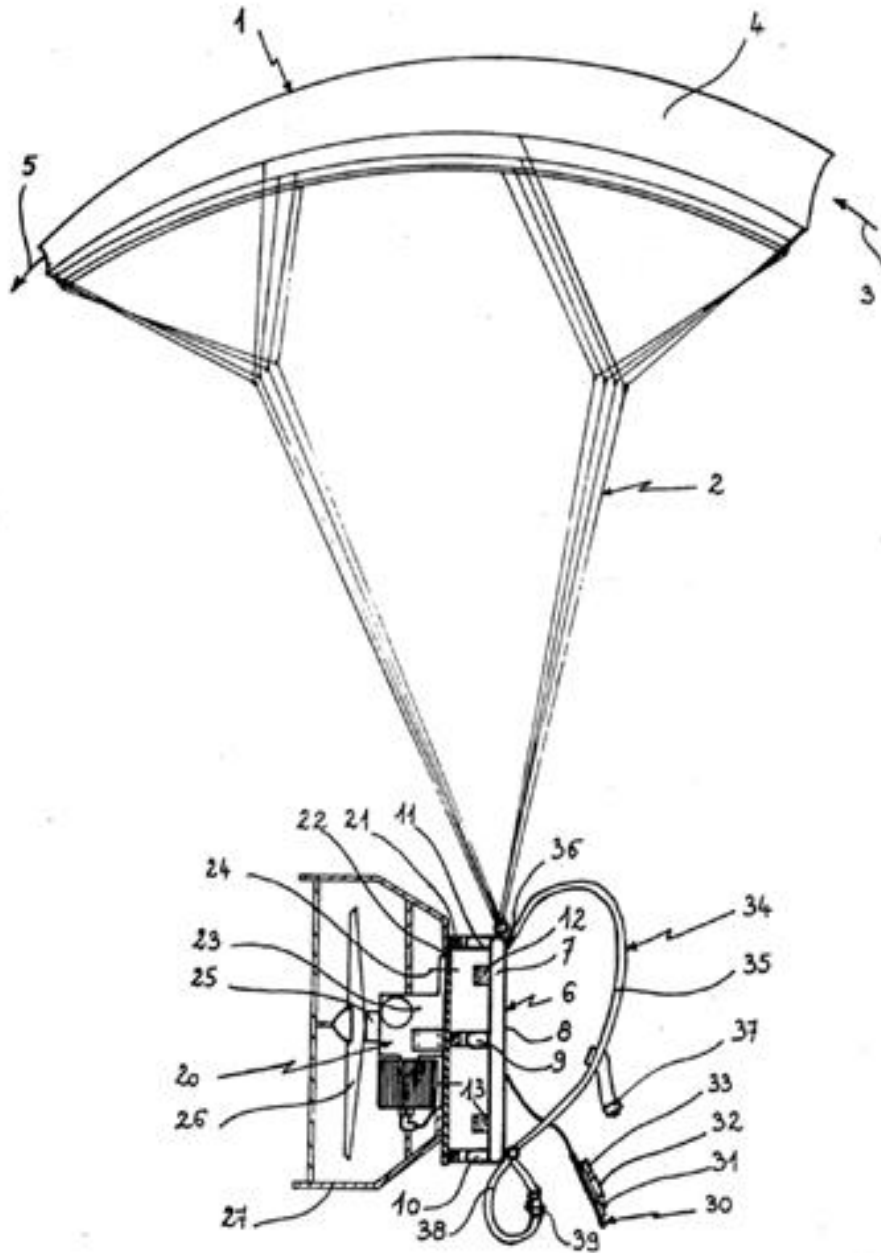
Replace: The Definition statement text with the following updated text. The images should remain as they are.

Microlight aircraft - mainly powered - with a parachute or parafoil type wing attached to a rigid/substantial structure (e.g. framework or rigid seat). Also covers backpack-type powerplants for paragliders.

Illustrative example of subject matter classified in this group:



Illustrative example of subject matter (backpack-powerplant) classified in this group:



**References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

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**Informative references**

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

Parachutes	<a href="#">B64D 17/00</a>
Paragliders	<a href="#">B64D 17/025</a>

**B64C 31/04**

**References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

**Informative references**

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

Ornithopters	<a href="#">B64C 33/00</a>
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**B64C 31/06**

**References**

Replace: The existing Limiting references table with the following updated table.

**Limiting references**

*This place does not cover:*

Toy aspects	<a href="#">A63H 27/08</a>
Airborne towed targets, e.g. kites	<a href="#">F41J 9/10</a>

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Insert: The following new Application-oriented references section.

**Application-oriented references:**

*Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

For propelling water sports boards	<a href="#">B63H 8/10</a>
For propelling vessels	<a href="#">B63H 9/069</a>

**Informative references**

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

Insert: The following new reference in the Informative references table.

Hang-gliders	<a href="#">B64C 31/028</a>
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**B64C 35/00**

Delete: The entire Relationships with other classification places section.

Insert: The following new Informative references section.

**References**

**Informative references**

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

Alighting gear	<a href="#">B64C 25/00</a>
Floats	<a href="#">B64C 25/54</a>

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**B64C 37/00****References****Informative references**

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

Replace: The existing Informative references table with the following updated table.

Vehicles capable of travelling in or on different media	B60F
Vehicles capable of travelling in or on different media, convertible into aircraft	B60F 5/02

**B64C 37/02****References****Limiting references**

*This place does not cover:*

Replace: The existing Limiting references table with the following updated table.

Towing	B64D 3/00
Aircraft transported by aircraft	B64D 5/00
Air-refuelling	B64D 39/00

**Informative references**

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

Replace: The existing Informative references table with the following updated table.

Automatic pilots	G05D 1/00
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**B64C 39/08**

Delete: The entire Relationships with other classification places section.

**References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

**Informative references**

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

Having disc- or ring-shaped wings	<a href="#">B64C 39/06</a>
Canard-type aircraft	<a href="#">B64C 39/12</a>



CPC NOTICE OF CHANGES 1374

DATE: JANUARY 1, 2023

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3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	B64C 21/00	B64C 21/00, B64C 21/01
C	B64C 21/025	B64C 21/025, B64C 21/01
C	B64C 21/04	B64C 21/04, B64C 21/01
C	B64C 21/06	B64C 21/06, B64C 21/01
C	B64C 21/08	B64C 21/08, B64C 21/01, B64C 21/04, B64C 21/06

\* 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.

CPC NOTICE OF CHANGES 1374

DATE: JANUARY 1, 2023

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B64C 21/01	B64C 21/01	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.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.