

B64B

LIGHTER-THAN AIR AIRCRAFT

Definition statement

This subclass/group covers:

- Balloons
- Blimps
- Zeppelins

Informative references

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

Toy balloons	A63H 27/10
Landing gear for aircraft in general	B64C 25/00
Inflatable tents	E04H 15/20 E04H 15/22
Illuminated balloons	F21S 8/00P2
Meteorological balloons	G01W 1/08

Special rules of classification within this subclass

Indexing Codes with identical symbols starting with [B64B](#) are used for classifying additional information.

There will be an orthogonal indexing scheme for hybrid airships

Glossary of terms

In this subclass/group, the following terms (or expressions) are used with the meaning indicated:

Balloon	Rigid or non-rigid free-flying (no directional control) lighter than air aircraft
Blimp	Non-rigid flight controlled lighter than air aircraft
Zeppelin	Rigid flight controlled lighter than air

	aircraft
Hybrid airship	Aircraft where lift is produced by both lighter than air compartments and aerodynamic surfaces (wings)

B64B 1/00

Lighter-than-air aircraft

Definition statement

This subclass/group covers:

General lighter-than-air concepts; e.g. hybrid airships.

B64B 1/005

[N: Arrangements for landing or taking-off e.g. alighting gear]

Definition statement

This subclass/group covers:

Landing gear for lighter-than-air aircraft.

Informative references

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

Landing gear for aircraft in general	B64C 25/00
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B64B 1/02

Non-rigid airships (B64B1/58 takes precedence; balloons B64B1/40)

Definition statement

This subclass/group covers:

Non-conventional balloons, e.g. of non spherical shape.

References relevant to classification in this group

This subclass/group does not cover:

Balloons	B64B 1/40
Arrangements or construction of gas bags	B64B 1/58

Informative references

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

Balloons	B64B 1/48
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B64B 1/04

the profile being maintained by ties or cords connecting opposite surfaces

Definition statement

This subclass/group covers:

Non-rigid airships in which the contours of the outer covering are maintained by ties or cords connecting opposite inner surfaces of the outer covering

Informative references

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

Framework construction for rigid airships	B64B 1/08
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B64B 1/06

Rigid airships; Semi-rigid airships (B64B1/58 takes precedence)

Definition statement

This subclass/group covers:

- Blimps
- Zeppelins
- Vacuum airships

References relevant to classification in this group

This subclass/group does not cover:

Arrangements or construction of gas-bags	B64B 1/58
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B64B 1/14

Outer covering

Definition statement

This subclass/group covers:

- Construction and materials
- Solar panels attached to the outer covering.

Informative references

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

Photovoltaic systems for generating electric power	H02S
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B64B 1/18

Attachment to structure

Definition statement

This subclass/group covers:

Means for attaching the outer covering to the inner structure.

B64B 1/20

provided with wings or stabilising surfaces [N: (tail unit construction B64B1/10; movable control surfaces B64B1/12)]

Definition statement

This subclass/group covers:

Disposition or arrangements of wings or surfaces on the airship.

References relevant to classification in this group

This subclass/group does not cover:

Tail unit construction, e.g. constructional details of fixed tail surfaces	B64B 1/10
Constructional details of movable control surfaces	B64B 1/12

B64B 1/32

surrounding hull

Definition statement

This subclass/group covers:

Arrangement of propellers in relation to the hull

Relationship between large subject matter areas

Propellers in general are covered by [B64C 11/00](#)

B64B 1/40

Balloons (B64B1/58 takes precedence; toy balloons A63H27/10)

Definition statement

This subclass/group covers:

Balloons, i.e. the outer covering serves as gas bag

Informative references

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

Balloons for advertising are covered	G09F 21/00
Meteorological balloons are covered	G01W 1/08
Illuminated balloons are covered	F21S 8/00P2
Inflatable tents are covered	E04H 15/20 , E04H 15/22

Toy balloons are covered	A63H 27/10
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B64B 1/58

Arrangements or construction of gas-bags; Filling arrangements

Definition statement

This subclass/group covers:

- Materials for balloons
- Systems for filling the balloons
- Constructional features of the gas bags

Informative references

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

Outercovering materials for rigid airships	B64B 1/14
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B64B 1/60

Gas-bags surrounded by separate containers of inert gas

Definition statement

This subclass/group covers:

Gas-bags separated by containers of inert gas, e.g. ballonets for altitude control.

B64B 1/66

Mooring attachments (mooring masts B64F)

Definition statement

This subclass/group covers:

Arrangements or devices on the airship for mooring.

References relevant to classification in this group

This subclass/group does not cover:

Mooring masts for airships or balloons	B64F 1/14
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