

## B31B

**MAKING CONTAINERS OF PAPER, CARDBOARD OR MATERIAL WORKED IN A MANNER ANALOGOUS TO PAPER (making wound articles, e.g. wound tubes, [B31C](#); combined making and filling [B65B](#))**

### References

#### Limiting references

*This place does not cover:*

Making wound articles, e.g. wound tubes	<a href="#">B31C</a>
Combined making and filling	<a href="#">B65B</a>

#### Informative references

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

Filling, or other packaging operations	<a href="#">B65B 1/00</a>
Packaging machines incorporating means for making containers	<a href="#">B65B 1/02</a> , <a href="#">B65B 3/02</a> , <a href="#">B65B 5/02</a> , <a href="#">B65B 43/00</a>
Box and bags	<a href="#">B65D 1/00</a>
Handling thin material, e.g. sheets, web	<a href="#">B65H 1/00</a>

### Special rules of classification

When a document is classified in one of the groups [B31B 50/00](#) - [B31B 70/99](#), it must also be classified completely in the groups by allocating the appropriate Indexing Codes as provided for in [B31B 2100/00](#) - [B31B 2170/30](#) and [B31B 2247/00](#). Classification in [B31B 2100/00](#) - [B31B 2170/00](#) is mandatory.

All aspects disclosed by the documents must be classified ( deep-indexing).

Example illustrating deep-indexing:

"A device for forming a multilayered tubular web into flat bags. In one embodiment a handle is formed by punching".

This document will be given the following classification:

[B31B 70/872](#)

[B31B 70/874](#)

[B31B 2170/20](#)

[B31B 2160/10](#)

[B31B 2155/003](#)

All relevant information contained in a document must be classified, irrespective its position in the document: description, claims or figures are to be treated with equal importance.

## Glossary of terms

*In this place, the following terms or expressions are used with the meaning indicated:*

Envelopes or bags	essentially flexible containers, the final shape of which is determined by their contents
Boxes or cartons	including bags formed similarly to cartons, trays with upstanding side-walls, barrels, tubes and cups, other than articles formed by winding

## B31B 50/00

### Making rigid or semi-rigid containers, e.g. boxes or cartons

#### Special rules of classification

Documents relating to box making must be classified in at least one sub-group of [B31B 50/00](#) and at least one of the sub-groups of [B31B 2100/00](#) - [B31B 2120/00](#)

## B31B 50/002

### {Prebreaking}

#### References

##### Informative references

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

Breaking creases to facilitate setting-up boxes in relation to packaging operations	<a href="#">B65B 43/24</a>
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## B31B 50/004

### {Closing boxes}

#### References

##### Informative references

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

Closing boxes in relation to packaging operations	<a href="#">B65B 7/00</a>
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## B31B 50/022

### {Holders for feeding or positioning blanks or webs}

#### Definition statement

*This place covers:*

Holders for the work piece.

Holders carrying feeding and guiding means.

**B31B 50/04****Feeding sheets or blanks****References****Informative references**

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

Feeding articles	<a href="#">B65H 5/00</a>
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**B31B 50/12****by air pressure or suction****References****Informative references**

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

Advancing webs	<a href="#">B65H 20/00</a>
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**B31B 50/14****Cutting, e.g. perforating, punching, slitting or trimming (cutting window openings [B31B 50/83](#))****References****Limiting references**

This place does not cover:

Cutting window openings	<a href="#">B31B 50/83</a>
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**Informative references**

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

Cutting	<a href="#">B26D 1/00</a>
Means for removing cut-out material or waste	<a href="#">B26D 7/00</a>

**B31B 50/25****Surface scoring****References****Informative references**

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

Scoring, creasing not limited to box or bag making	<a href="#">B31F 1/08</a>
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**B31B 50/26****Folding sheets, blanks or webs****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Folding thin material	<a href="#">B65H 45/00</a>
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**B31B 50/28****around mandrels, e.g. for forming bottoms****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Wrapping as packaging operation consisting of folding sheet material around a product	<a href="#">B65B 11/004</a>
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**B31B 50/46****and interconnecting side walls****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Connecting surfaces or edges by interengaging tongues and flaps	<a href="#">B31B 50/732</a>
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**B31B 50/594****{Modifying the shape of tubular boxes or of paper bottle necks}****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Modifying the shape of tubular paper products	<a href="#">B31F 1/008</a> , <a href="#">B31F 7/002</a>
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**B31B 50/61****{Uniting opposed edges by injecting thermoplastic material}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Joining articles by injection moulding	<a href="#">B29C 45/14467</a>
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**B31B 50/76****Opening and distending flattened articles****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Opening or setting-up boxes in relation to packaging operations	<a href="#">B65B 43/26</a>
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**B31B 50/81****Forming or attaching accessories, e.g. opening devices, closures or tear strings****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Auxiliary devices operating on sheets, blanks, webs, containers, or packages in relation to packaging operations	<a href="#">B65B 61/00</a>
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**B31B 50/812****{Applying tabs, patches, strips or strings on blanks or webs}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Patches or strips having the function of uniting opposed surfaces or edges	<a href="#">B31B 50/60</a>
Applying tear-strips or tear-tape in relation to packaging operations	<a href="#">B65B 61/182</a>

**B31B 50/8122****{Applying patches}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Patches having the function of uniting opposed surfaces or edges	<a href="#">B31B 50/60</a>
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**B31B 50/8123****{the blanks remaining stationary during application of the patches}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Strips having the function of uniting opposed surfaces or edges	<a href="#">B31B 50/60</a>
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**B31B 50/814****{Applying closure elements to blanks, webs or boxes}****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Applying tabs over discharge openings in relation to packaging operations	<a href="#">B65B 61/184</a>
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**B31B 50/84****Forming or attaching means for filling or dispensing contents, e.g. valves or spouts****References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Applying or incorporating rigid fittings, e.g. discharge spouts, in relation to packaging operations	<a href="#">B65B 61/186</a>
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**B31B 50/92****Delivering****References****Informative references**

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

Delivering sheets or thin material	<a href="#">B65H 23/00</a>
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**B31B 70/00****Making flexible containers, e.g. envelopes or bags****Special rules of classification**

Documents relating to bag making must be classified in at least one subgroup of [B31B 70/00](#) and in at least one of the subgroups of [B31B 2150/00](#) - [B31B 2170/00](#).

**B31B 70/003****{Opening or distending bags}****References****Informative references**

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

Opening or setting-up bags in relation to packaging operations	<a href="#">B65B 43/26</a>
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**B31B 70/004****{Closing bags}****References****Informative references**

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

Closing bags in relation to packaging operations	<a href="#">B65B 7/00</a>
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**B31B 70/008****{Stiffening or reinforcing ([B31B 70/876](#) takes precedence)}****References****Limiting references**

This place does not cover:

Reinforcing by applying patches or by folding in connection with forming or mounting handles	<a href="#">B31B 70/876</a>
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**B31B 70/04****Feeding sheets or blanks****References*****Informative references***

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

Feeding articles	<a href="#">B65H 5/00</a>
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**B31B 70/10****Feeding or positioning webs****References*****Informative references***

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

Advancing webs	<a href="#">B65H 20/00</a>
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**B31B 70/14****Cutting, e.g. perforating, punching, slitting or trimming (cutting window openings [B31B 70/83](#))****References*****Limiting references***

*This place does not cover:*

Cutting window openings	<a href="#">B31B 70/83</a>
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***Informative references***

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

Cutting or punching in connection with the forming or mounting of handles	<a href="#">B31B 70/874</a>
Cutting	<a href="#">B26D</a>
Means for removing cut-out material or waste	<a href="#">B26D 7/18</a>

**B31B 70/25****{Surface scoring}****References*****Informative references***

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

Scoring, creasing not limited to box or bag making	<a href="#">B31F 1/08</a>
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**B31B 70/26****Folding sheets, blanks or webs****References****Informative references**

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

Folding thin material	<a href="#">B65H 45/00</a>
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**B31B 70/812****{Applying patches, strips or strings on sheets or webs}****References****Informative references**

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

Patches as reinforcement for handles	<a href="#">B31B 70/876</a>
Applying tear-strips or tear-tape in relation to packaging operations	<a href="#">B65B 61/182</a>

**B31B 70/813****{Applying closures}****References****Informative references**

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

Applying tabs over discharge openings in relation to packaging operations	<a href="#">B65B 61/184</a>
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**B31B 70/8131****{Making bags having interengaging closure elements}****References****Informative references**

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

Applying or incorporating profile-strips, e.g. for reclosable bags, in relation to packaging operations	<a href="#">B65B 61/188</a>
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**B31B 70/8132****{Applying the closure elements in the machine direction}****Glossary of terms***In this place, the following terms or expressions are used with the meaning indicated:*

Machine direction	indicates the main direction of transport of the sheets or webs through the machine
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**B31B 70/8133****{Applying the closure elements in the cross direction}****Glossary of terms***In this place, the following terms or expressions are used with the meaning indicated:*

Cross direction	indicates a direction perpendicular to the main direction of transport or the sheets of webs through the machine
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**B31B 70/8135****{the strings being applied in the machine direction}****Glossary of terms***In this place, the following terms or expressions are used with the meaning indicated:*

Machine direction	indicates the main direction of transport of the sheets or webs through the machine
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**B31B 70/8136****{the strings being applied in the cross direction}****Glossary of terms***In this place, the following terms or expressions are used with the meaning indicated:*

Cross direction	indicates a direction perpendicular to the main direction of transport of the sheets or webs through the machine
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**B31B 70/84****Forming or attaching means for filling or dispensing contents, e.g. valves or spouts****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Applying or incorporating rigid fittings, e.g. discharge spouts in relation to packaging operations	<a href="#">B65B 61/186</a>
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**B31B 70/86****Forming integral handles or mounting separate handles****References*****Informative references***

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

Making separate handles	<a href="#">B31D 1/06</a>
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**B31B 70/92****Delivering****References*****Informative references***

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

Delivering sheet or web material in general	<a href="#">B65H 23/00</a>
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**B31B 2100/00****Rigid or semi-rigid containers made by folding single-piece sheets, blanks or webs****References*****Informative references***

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

Making boxes in relation with packaging operations	<a href="#">B65B 3/025</a> , <a href="#">B65B 43/08</a>
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**B31B 2150/00****Flexible containers made from sheets or blanks, e.g. from flattened tubes****References*****Informative references***

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

Making bags having multilayered walls from webs	<a href="#">B31B 2170/20</a>
Forming bags from single sheets in relation with packaging operations	<a href="#">B65B 43/02</a>

**B31B 2155/00****Flexible containers made from webs****References*****Informative references***

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

Forming bags from webs in relation with packaging operations	<a href="#">B65B 43/04</a>
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**B31B 2155/002****{by joining superimposed webs, e.g. with separate bottom webs}****References*****Informative references***

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

Forming bags from several webs in relation with packaging operations	<a href="#">B65B 43/06</a>
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**B31B 2241/008****Making suction cleaner bags****References*****Informative references***

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

Suction cleaner bags	<a href="#">A47L 9/14</a>
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