

B31F

MECHANICAL WORKING OR DEFORMATION OF PAPER, CARDBOARD OR MATERIAL WORKED IN A MANNER ANALOGOUS TO PAPER (making layered products not composed wholly of paper or cardboard [B32B](#))

References**Limiting references**

This place does not cover:

Making layered products not composed wholly of paper or cardboard	B32B
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References out of a residual place

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

Making boxes, cartons, envelopes or bags	B31B
Making wound paper articles	B31C
Making other paper articles	B31D

Informative references

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

Cutting, trimming, in general	B26
Incising, scoring, in general	B26D 3/08
Multi-ply material of paper or cardboard, manufacture thereof	D21H

B31F 1/00

Mechanical deformation without removing material, e.g. in combination with laminating

References**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:

Producing decorative effects by processes for stamping ornamental designs on surfaces	B44C 1/24
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Informative references

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

Folding thin material	B65H 45/00
Mechanical deformation during paper or cardboard making	D21F , D21G

B31F 1/008

{Shaping of tube ends, e.g. flanging, belling, closing, rim-rolling or corrugating;
Fixing elements to tube ends}

References**Informative references**

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

Making cylindrical boxes with separate bottoms	B31B 2110/20
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B31F 1/0096

{Lining or sheathing (folding the edge of the sheathing [B31F 1/0016](#),
[B31F 1/0029](#))}

References**Informative references**

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

Making lined boxes	B31B 2120/40 , B31B 2105/00
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B31F 1/07

Embossing {, i.e. producing impressions formed by locally deep-drawing, e.g. using rolls provided with complementary profiles} ({[B31F 1/128](#) takes precedence;} corrugating [B31F 1/20](#); embossing in combination with printing [B41F 19/02](#), [B41M 1/24](#); typewriters for embossing [B41J 3/38](#); stamping in combination with deforming [B41K 3/36](#))

References**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:

Machines or apparatus for embossing decorations or marks	B44B 5/00
Artists hand tools for embossing	B44B 11/04

Special rules of classification

Classification in deep indexing scheme [B31F 2201/07](#) is mandatory.

B31F 1/08

Creasing (corrugating [B31F 1/20](#); zig-zag folding [B65H 45/20](#) {; combined with folding [B31F 1/0012](#), [B31F 1/0022](#); grooving by cutting [B26D 3/06](#), [B26D 3/08](#); by milling grooves [B23C 3/30](#); of plastics material [B29C 53/06](#)})

References**Informative references**

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

Making creases during box or bag making	B31B 50/25 , B31B 70/25
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B31F 1/12**Crêping****References****Informative references**

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

Paper making	D21F 11/00
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B31F 1/20**Corrugating; Corrugating combined with laminating to other layers****References****Informative references**

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

Corrugating sheet metal	B21D 13/00
Corrugating veneer	B27D
Corrugating plastics material	B29C 53/22
Zig-Zag folders	B65H 45/20 , B65H 45/228

B31F 1/2813

{Making corrugated cardboard of composite structure, e.g. comprising two or more corrugated layers}

References**Informative references**

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

Making cellular structures by cutting corrugated webs longitudinally into strips, piling these strips and uniting them	B31D 3/007
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Laminated products characterised by a layer comprising a deformed thin sheet , e.g. corrugated, crumpled	B32B 3/28
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B31F 1/36

Moistening and heating webs to facilitate mechanical deformation and drying deformed webs {(during corrugating [B31F 1/28](#))}

Definition statement

This place covers:

E.g. impregnating.

References

Limiting references

This place does not cover:

Moistening, drying during making of corrugated web having transverse corrugations	B31F 1/2845
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B31F 5/00

Attaching together sheets, strips or webs; Reinforcing edges

References

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:

Stapling in making boxes, bags or the like	B31B , B31B 50/68 , B31B 70/68
Attaching the replacement web to the expiring web during web-roll changing	B65H 19/18
Apparatus for splicing webs during handling	B65H 21/00

Informative references

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

Means for applying adhesive or glue	B05C
Making layered products	B32B 37/00
Splicing webs	B65H 21/00

B31F 7/00

Processes not otherwise provided for

Definition statement

This place covers:

Processes for working paper not provided for in [B31B 50/00](#), [B31B 70/00](#), [B31C 1/00](#) - [B31C 13/00](#), [B31D 1/00](#) - [B31D 5/00](#), [B31F 1/00](#) - [B31F 5/00](#).