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 |

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 |

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 |

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 |

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 |

**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 |

**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 |
Laminated products characterised by a layer comprising a deformed thin sheet, e.g. corrugated, crumpled

**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 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:*

<table>
<thead>
<tr>
<th>Activity</th>
<th>CPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stapling in making boxes, bags or the like</td>
<td>B31B, B31B 50/68,</td>
</tr>
<tr>
<td></td>
<td>B31B 70/68</td>
</tr>
<tr>
<td>Attaching the replacement web to the expiring web during web-roll changing</td>
<td>B65H 19/18</td>
</tr>
<tr>
<td>Apparatus for splicing webs during handling</td>
<td>B65H 21/00</td>
</tr>
</tbody>
</table>

**Informative references**

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

<table>
<thead>
<tr>
<th>Activity</th>
<th>CPC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Means for applying adhesive or glue</td>
<td>B05C</td>
</tr>
<tr>
<td>Making layered products</td>
<td>B32B 37/00</td>
</tr>
<tr>
<td>Splicing webs</td>
<td>B65H 21/00</td>
</tr>
</tbody>
</table>
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.