B26F

PERFORATING; PUNCHING; CUTTING-OUT; STAMPING-OUT; SEVERING;
BY MEANS OTHER THAN CUTTING (marking-out, perforating or making
buttonholes A41H 25/00; shoemaking A43D; surgery A61B; punching metal
B21D; drilling metal B23B; cutting of metal by applying heat locally, e.g. flame
cutting, B23K; cutting by abrasive fluid jets B24C 5/02; details common to
machines for severing B26D; drilling wood B27C; drilling stone B28D; working
of plastics or substances in a plastic state B29; making boxes, cartons,
envelopes or bags, of paper or similarly worked materials, e.g. metal foil, B31B;
of glass C03B; of leather C14B; of textile materials D06H; for light guides
G02B 6/25; of tickets G07B)

Definition statement

This place covers:
Perforating, punching, cutting-out, stamping-out;
severing, by means other than cutting, non-metallic sheet material or metal foil in general;
severing, by means other than cutting, other forms of non-metallic materials not otherwise provided for.

References

Limiting references

This place does not cover:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marking-out, perforating or making buttonholes</td>
<td>A41H 25/00</td>
</tr>
<tr>
<td>Punching metal</td>
<td>B21D</td>
</tr>
<tr>
<td>Drilling metal</td>
<td>B23B</td>
</tr>
<tr>
<td>Cutting of metal by applying heat locally, e.g. flame cutting</td>
<td>B23K</td>
</tr>
<tr>
<td>Guns for cutting by abrasive fluid jets</td>
<td>B24C 5/02</td>
</tr>
<tr>
<td>Details common to machines for severing</td>
<td>B26D</td>
</tr>
<tr>
<td>Drilling wood</td>
<td>B27C</td>
</tr>
<tr>
<td>Drilling stone</td>
<td>B28D</td>
</tr>
<tr>
<td>Cutting of glass</td>
<td>C03B</td>
</tr>
<tr>
<td>Cutting of leather</td>
<td>C14B</td>
</tr>
<tr>
<td>Severing of textile materials</td>
<td>D06H</td>
</tr>
<tr>
<td>Cutting for light guides</td>
<td>G02B 6/25</td>
</tr>
<tr>
<td>Cutting of tickets</td>
<td>G07B</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>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturing footwear</td>
<td>A43D</td>
</tr>
<tr>
<td>Surgery</td>
<td>A61B</td>
</tr>
<tr>
<td>Blasting with jets acting as abrasive jets, but not containing particulate material in the case of de jet milling of local recessions like e.g. grooves</td>
<td>B24C 1/04</td>
</tr>
</tbody>
</table>
Blasting with jets acting as abrasive jets, but not containing particulate material in the case of deburring  
B26F 1/083

Blasting with jets acting as abrasive jets, but not containing particulate material in the case of removal of extended surfaces  
B26F 1/086

Working of plastics or substances in a plastic state  
B24C 1/086

Making boxes, cartons, envelopes or bags, of paper or similarly worked materials, e.g. metal foil  
B31B

Glossary of terms

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

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition/Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>flow drilling</td>
<td>Friction drilling, also commonly known by the trademarked name Flowdrilling, is a non-machining method of making holes in metal, in which the material is melted by adding high pressure and friction energy.</td>
</tr>
<tr>
<td>frame</td>
<td>Frame is a structure surrounding a second structure</td>
</tr>
<tr>
<td>passpartout</td>
<td>Passe-Partout (or passepartout) is the French term for a mat, a paper or, more usually, cardboard sheet with a cutout, which is placed under the glass in a picture frame. A picture (a photo or print, drawing, etc.) is placed beneath it, with the cutout framing it. The passe-partout serves two purposes: first, to prevent the image from touching the glass, and second, to frame the image and enhance its visual appeal. The cutout in the passe-partout is usually beveled to avoid casting shadows on the picture.</td>
</tr>
</tbody>
</table>

Squeezing

Means to compress the material in a locally limited area (e.g. by a rounded edge) to such an extend, that the material is displaced and hence tensional stress is produced to such an extend that the material is severed.

Synonyms and Keywords

In patent documents, the word/expression in the first column is often used instead of the word/expression in the second column, which is used in the classification scheme of this place:

| "drilling" | "punching or perforating" |

B26F 1/00

Perforating; Punching; Cutting-out; Stamping-out; Apparatus therefor (subjecting the grinding tools or the abrading medium to vibration, e.g. grinding with ultrasonic frequency B24B 1/04, perforating by sand-blasting B24C; {e.g. abrasive blasting used for cutting B24C 1/045}; punching cards or tapes for statistical and record purposes G06K 1/00)

Definition statement

This place covers:

Perforating, e.g. perforating of particular materials; Punching; Cutting-out; Stamping-out; Apparatus therefor; Perforating characterized by the nature of the punching tool; Hand-held perforating or punching apparatus, e.g. awls; Cutting-out or stamping-out.
**References**

*Informative references*

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

| Subjecting the grinding tools or the abrading medium to vibration, e.g. grinding with ultrasonic frequency | B24B 1/04 |
| Punching cards or tapes for statistical and record purposes | G06K 1/00 |

**B26F 1/12**

to notch margins of work

**Definition statement**

This place covers:

to notch margins of work

**B26F 1/165**

{by flow drilling (for metal B21C 37/292)}

**Definition statement**

This place covers:

the creation of holes in substrates of non-metallic material, in which the material is melted by adding high pressure and friction energy
References

Limiting references
This place does not cover:

| Flow drilling of metal | B21C 37/292 |

B26F 1/22

to form non-rectilinear cuts, e.g. for tabs

Definition statement
This place covers:
to form non-rectilinear cuts, e.g. for tabs

B26F 1/26

Perforating by non-mechanical means, e.g. by fluid jet

Definition statement
This place covers:
Perforating by non-mechanical means, e.g. by fluid jet like hot air or a water jet.

References

Limiting references
This place does not cover:

| Needling of non woven fabrics | D04H 1/46 |

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

| Thermoforming of plastic webs | B29C 51/00 |
B26F 1/32
Hand-held perforating or punching apparatus, e.g. awls

Definition statement
This place covers:
Hand-held perforating or punching apparatus, e.g. awls

B26F 1/36
Punching or perforating pliers

Definition statement
This place covers:
Punching or perforating pliers. Desktop paper punches.

B26F 1/3853
{cutting out frames (B26F 1/384, B26F 1/40 and B26F 1/44 take precedence)}

Definition statement
This place covers:
Cutting out frames; Cutters of all kind for cutting out frames, e.g. for cutting out so-called "passpartouts".

B26F 1/40
using a press, e.g. of the ram type (presses in general B30B)

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

Presses in general

B30B
**B26F 1/42**

**having a pressure roller**

**Definition statement**

*This place covers:*

having a pressure roller e.g.

![Pressure roller diagram](image)

**B26F 1/46**

**Loose press knives**

**Definition statement**

*This place covers:*

Loose press knives

![Loose press knives diagram](image)
B26F 3/00
Severing by means other than cutting; Apparatus therefor (severing by grinding B24B 27/06)

References
Limiting references
This place does not cover:
Severing by grinding B24B 27/06

B26F 3/004
{by means of a fluid jet (methods for use of abrasive blasting for cutting B24C 1/045; guns for abrasive fluid jets B24C 5/02; perforating by non-mechanical means, e.g. by fluid jet B26F 1/26)}

References
Limiting references
This place does not cover:
Perforating by non-mechanical means, e.g. by fluid jet B26F 1/26
Methods for use of abrasive blasting for cutting B24C 1/045
Guns for abrasive fluid jets B24C 5/02

B26F 3/16
by radiation (by laser beam B23K 26/00)

References
Limiting references
This place does not cover:
Cutting by laser beam B23K 26/00