

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:

Marking-out, perforating or making buttonholes	A41H 25/00
Punching metal	B21D
Drilling metal	B23B
Cutting of metal by applying heat locally, e.g. flame cutting	B23K
Guns for cutting by abrasive fluid jets	B24C 5/02
Details common to machines for severing	B26D
Drilling wood	B27C
Drilling stone	B28D
Cutting of glass	C03B
Cutting of leather	C14B
Severing of textile materials	D06H
Cutting for light guides	G02B 6/25
Cutting of tickets	G07B

Informative references

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

Manufacturing footwear	A43D
Surgery	A61B
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	B24C 1/04

Blasting with jets acting as abrasive jets, but not containing particulate material in the case of deburring	B24C 1/083
Blasting with jets acting as abrasive jets, but not containing particulate material in the case of removal of extended surfaces	B24C 1/086
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

Glossary of terms

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

flow drilling	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.
frame	frame is a structure surrounding a second structure
passpartout	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.
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"
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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

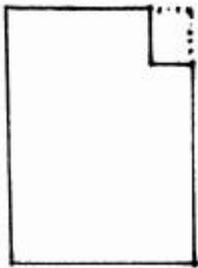
B26F 1/12

to notch margins of work

Definition statement

This place covers:

to notch margins of work



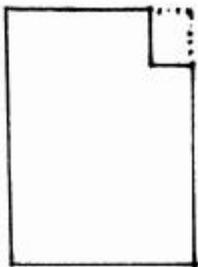
B26F 1/165

{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
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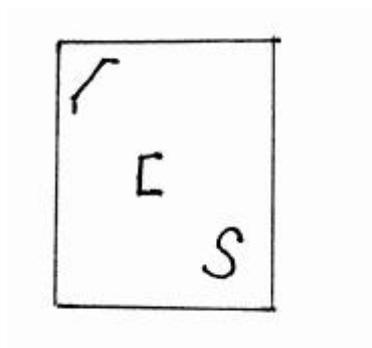
B26F 1/22

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
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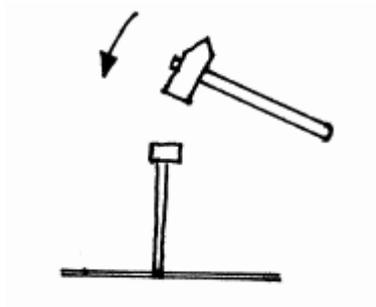
Informative references

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

Thermoforming of plastic webs	B29C 51/00
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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
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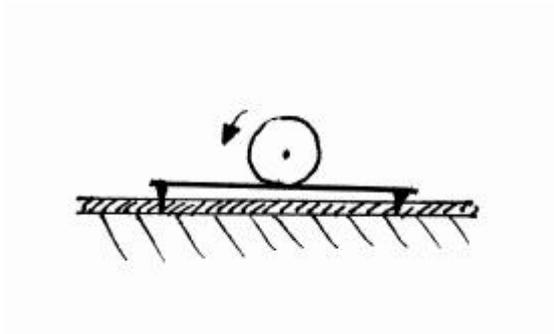
B26F 1/42

having a pressure roller

Definition statement

This place covers:

having a pressure roller e.g.



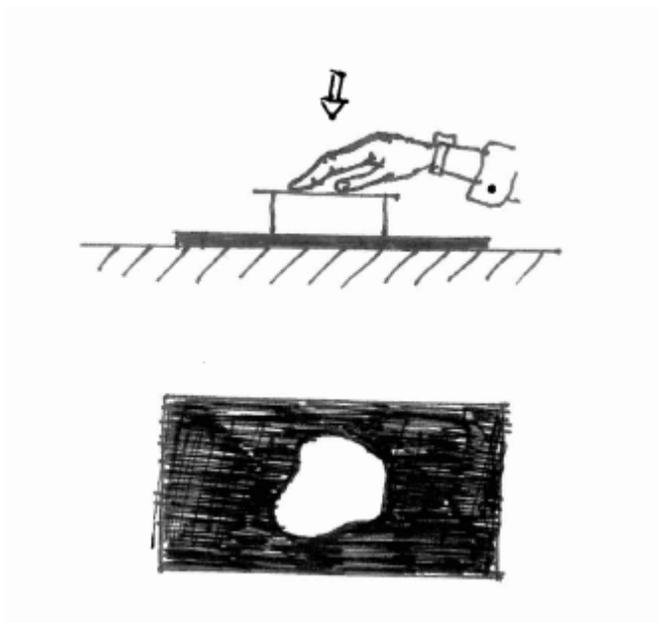
B26F 1/46

Loose press knives

Definition statement

This place covers:

Loose press knives



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
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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
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