

CPC COOPERATIVE PATENT CLASSIFICATION

B PERFORMING OPERATIONS; TRANSPORTING (NOTES omitted)

SHAPING

B26 HAND CUTTING TOOLS; CUTTING; SEVERING

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](#))

NOTES

- This subclass covers:
 - perforating, punching, cutting-out, stamping-out;
 - severing, by means other than cutting, non-metallic sheet materials or metal foil in general;
 - severing, by means other than cutting, other forms of non-metallic material not otherwise provided for.
- Attention is drawn to Notes (1) and (2) following the title of subclass [B26D](#).

WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

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| 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) | 1/02 | • Perforating by punching, e.g. with relatively-reciprocating punch and bed |
| 1/0007 | • {Perforation of photographic films} | 1/04 | • • with selectively-operable punches |
| 1/0015 | • {specially adapted for perforating tubes} | 1/06 | • • with punching tools moving with the work |
| 1/0023 | • • {by rotary tools, e.g. saws (B26F 1/0076 takes precedence)} | 1/08 | • • • wherein the tools are carried by, and in operation move relative to, a rotative drum or similar support |
| 1/003 | • • • {of the drill type} | 1/10 | • • • Roller type punches |
| 1/0038 | • • {from the inside (B26F 1/0053 takes precedence)} | 1/12 | • • to notch margins of work |
| 1/0046 | • • {by tools that follow a closed path around the tube (B26F 1/0053 takes precedence)} | 1/14 | • • Punching tools; Punching dies |
| 1/0053 | • • {by machining, e.g. cutting, grinding, projections on the tube wall} | 1/16 | • Perforating by tool or tools of the drill type |
| 1/0061 | • • {whereby the tube moves axially or radially (B26F 1/0038 , B26F 1/0046 , B26F 1/0053 take precedence)} | 1/165 | • • {by flow drilling (for metal B21C 37/292)} |
| 1/0069 | • • • {and the tool travels with the tube} | 1/18 | • Perforating by slitting, i.e. forming cuts closed at their ends without removal of material |
| 1/0076 | • • • {and the tool rotates} | 1/20 | • • with tools carried by a rotating drum or similar support (B26F 1/22 takes precedence) |
| 1/0084 | • {specially adapted for perforating rubber} | 1/22 | • • to form non-rectilinear cuts, e.g. for tabs |
| 1/0092 | • {Perforating means specially adapted for printing machines (B26F 1/02 - B26F 1/46 take precedence)} | 1/24 | • Perforating by needles or pins |
| | | 1/26 | • Perforating by non-mechanical means, e.g. by fluid jet |
| | | 1/28 | • • by electrical discharges |
| | | 1/31 | • • by radiation (by laser beam B23K 26/00) |
| | | 1/32 | • Hand-held perforating or punching apparatus, e.g. awls |
| | | 1/34 | • • power actuated (details or components , e.g. casings, bodies, of portable power-driven tools not particularly related to the operation performed B25F 5/00) |
| | | 1/36 | • • Punching or perforating pliers |

2001/365	. . . {hand held pliers with handles}	3/008	. . {Energy dissipating devices therefor, e.g. catchers; Supporting beds therefor (cutting beds in general B26D 7/20)}
1/38	. Cutting-out; Stamping-out	3/02	. Tearing
1/3806	. . {wherein relative movements of tool head and work during cutting have a component tangential to the work surface (B26F 1/40 takes precedence)}	3/04	. Severing by squeezing (B26F 3/08 takes precedence)
1/3813	. . . {wherein the tool head is moved in a plane parallel to the work in a coordinate system fixed with respect to the work}	3/06	. Severing by using heat
1/382 {wherein the cutting member reciprocates in, or substantially in, a direction parallel to the cutting edge}	3/08	. . with heated members
1/3826 {using a rotary circular cutting member}	3/10	. . . with heated rollers or discs
1/3833 {using an endless band-knife or the like}	3/12	. . . with heated wires
1/384	. . {using rotating drums}	3/16	. . by radiation (by laser beam B23K 26/00)
1/3846	. . {cutting out discs or the like (B26F 1/384, B26F 1/40 and B26F 1/44 take precedence)}	2210/00	Perforating, punching, cutting-out, stamping-out, severing by means other than cutting of specific products
1/3853	. . {cutting out frames (B26F 1/384, B26F 1/40 and B26F 1/44 take precedence)}	2210/02	. of stacked sheets
1/386	. . {Draw punches, i.e. punch and die assembled on opposite sides of a workpiece via a connecting member passing through an aperture in the workpiece}	2210/04	. Making plastic pilferproof screw caps by cutting a tamper ring
1/3866	. . {specially adapted for rubber}	2210/06	. Trimming plastic mouldings
2001/3873	. . {advancing the material stepwise onto the work surface of the cutting machine}	2210/08	. of ceramic green sheets, printed circuit boards and the like
2001/388	. . {controlling the blade orientation along the cutting path}	2210/11	. of plastic containers before compressing
2001/3886	. . {shearing by reciprocating a straight blade, e.g. nibbling}	2210/12	. of fabrics
2001/3893	. . {cutting out by using an oscillating needle}	2210/14	. . the cutting machine comprising a rotary knife
1/40	. . using a press, e.g. of the ram type (presses in general B30B)	2210/16	. . the cutting machine comprising a cutting die
2001/402	. . . {curvilinear cutting presses, i.e. the stroke comprising an overlay of a linear and a curved movement}		
1/405	. . . {Travelling head presses}		
2001/407	. . . {stepwise sequential punching processes}		
1/42	. . . having a pressure roller		
1/44	. . Cutters therefor; Dies therefor		
2001/4409	. . . {having die balancing or compensating means}		
2001/4418	. . . {combining cutting and embossing operations}		
2001/4427	. . . {combining cutting and forming operations}		
2001/4436	. . . {Materials or surface treatments therefore}		
2001/4445	. . . {Matrices, female dies, creasing tools}		
2001/4454	. . . {Die heads carrying several moveable tools}		
2001/4463	. . . {Methods and devices for rule setting, fixation, preparing cutting dies}		
2001/4472	. . . {Cutting edge section features}		
2001/4481	. . . {having special lateral or edge outlines or special surface shapes, e.g. apertures}		
2001/449	. . . {for shearing, e.g. with adjoining or abutting edges}		
1/46	. . . Loose press knives		
3/00	Severing by means other than cutting; Apparatus therefor (severing by grinding B24B 27/06)		
3/002	. {Precutting and tensioning or breaking}		
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)}		
2003/006	. . {having a shutter or water jet deflector}		