CPC COOPERATIVE PATENT CLASSIFICATION

B PERFORMING OPERATIONS; TRANSPORTING (NOTES omitted)

SHAPING

B26 HAND CUTTING TOOLS; CUTTING; SEVERING

CUTTING; DETAILS COMMON TO MACHINES FOR PERFORATING, PUNCHING, B26D CUTTING-OUT, STAMPING-OUT OR SEVERING (soil-working A01B; for growing crops or plants A01D, A01G; for fodder or straw A01F; for bulk butter A01J; for dough A21C; slaughtering <u>A22B</u>; for tobacco, cigars or cigarettes <u>A24</u>; marking-out, perforating or making buttonholes A41H 25/00; manufacturing footwear A43D; brushmaking A46D; surgery A61B; disintegrating, mincing or shredding in general **B02C**; cutting wire, making pins or nails **B21F**, B21G; of the kind used formetal B23; cutting by abrasive fluid jets B24C 5/02; hand-held cutting tools <u>B26B</u>; perforating, cutting-out, stamping-out or punching, or severing by means other than cutting B26F; for wood B27; for stone B28D; working of plastics or substances in a plastic state <u>B29</u>; making boxes, cartons, envelopes or bags, of paper or similarly worked materials, e.g. metal foil, B31B; article or web delivery apparatus incorporating cutting or line-perforating devices <u>B65H 35/00</u>; for leather or upholstery <u>B68</u>; <u>C14B</u>; for glass <u>C03B</u>; making matches <u>C06F</u>; for peat <u>C10F</u>; for sugar <u>C13B 45/00</u>; for textile materials <u>D06H</u>; civil engineering, building, mining, see Section E; for light guides G02B 6/25; cutting processed photographic material G03D 15/04)

NOTES

- 1. This subclass covers:
 - cutting non-metallic sheet material and metal foil in general;
 - · cutting other forms of non-metallic material not otherwise provided for;
 - features specific to machines for cutting, perforating, punching, cutting-out, stamping-out and severing by means other
 than cutting, which relate to a requirement or problem of a nature which is not peculiar to a machine for these purposes,
 that is, details of or arrangements for operating or controlling such machines, although the realisation of such features may
 differ according to the kind of machine concerned. This subclass <u>covers</u> such features in general even if the feature in any
 particular case is to some extent peculiar to, or is claimed only for, a machine designed for perforating, punching, cuttingout, stamping-out, or for severing other than by cutting.
- 2. If the details or arrangements have no essential features specific to cutting, perforating, punching, cutting-out, stamping-out or severing machines, the more general classes, e.g. <u>F16</u>, take precedence.
- 3. In this subclass, in groups <u>B26D 5/00</u> and <u>B26D 7/00</u>, the following term is used with the meaning indicated:
 "cutting" includes cutting-out, stamping-out, punching, perforating, and severing by means other than cutting.

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.

1/00	Cutting through work characterised by the nature or movement of the cutting member {or particular materials not otherwise provided for}; Apparatus or machines therefor; Cutting members therefor	 2001/0046 {rotating continuously about an axis perpendicular to the edge} 2001/0053 . {having a special cutting edge section or blade section}
1/0006 2001/0013	 {Cutting members therefor} . {consisting of a reciprocating or endless band} 	2001/006 • { the cutting blade having a special shape, e.g. a special outline, serrations }
2001/002	• • {Materials or surface treatments therefor, e.g. composite materials}	2001/0066 • {having shearing means, e.g. shearing blades, abutting blades}
2001/0026	• • • {fiber reinforced materials}	2001/0073 {having the form of a three dimensional spiral}
2001/0033 2001/004	 {assembled from multiple blades} {not rotating}	2001/008 . {in the form of wires}2001/0086 . {having a radiussed blunt cutting edge}

2001/0093	• • {circular cutting discs with a radiussed blunt cutting edge}
1/01	 involving a cutting member which does not travel
1/01	with the work
1/015	• • {for thin material, e.g. for sheets, strips or the like}
1/02	• having a stationary cutting member (<u>B26D 1/547</u> takes precedence)
1/025	• • { for thin material, e.g. for sheets, strips or the like }
1/03	• • • with a plurality of cutting members
1/035	•••• {for thin material, e.g. for sheets, strips or the like}
1/04	• having a linearly-movable cutting member (<u>B26D 1/46</u> , <u>B26D 1/547</u> take precedence)
1/045	• • {for thin material, e.g. for sheets, strips or the like}
1/06	 wherein the cutting member reciprocates (cup or like cutting members <u>B26D 1/44</u>)
1/065	• • • { for thin material, e.g. for sheets, strips or the like }
1/08	• • • • of the guillotine type
1/085	•••••• (for thin material, e.g. for sheets, strips or
	the like}
1/09	• • • • • with a plurality of cutting members
1/095	••••• {for thin material, e.g. for sheets, strips or the like}
1/10	• • • in, or substantially in, a direction parallel to the cutting edge
1/105	•••• { for thin material, e.g. for sheets, strips or the like }
1/11	•••• with a plurality of cutting members
1/115	••••• {for thin material, e.g. for sheets, strips or the like}
1/12	• having a cutting member moving about an axis (B26D 1/547 takes precedence; cup or like cutting
1/105	members <u>B26D 1/44</u>)
1/125	• • { for thin material, e.g. for sheets, strips or the like }
1/14	• • • with a circular cutting member, e.g. disc cutter
1/141	• • • {for thin material, e.g. for sheets, strips or the like}
1/143	rotating about a stationary axis (<u>B26D 1/20</u> - <u>B26D 1/24</u> take precedence)
1/1435	••••• { for thin material, e.g. for sheets, strips or the like }
1/147	• • • • • with horizontal cutting member
1/1475	••••• {for thin material, e.g. for sheets, strips or the like}
1/15	• • • • • with vertical cutting member
1/151	••••• {for thin material, e.g. for sheets, strips or the like}
1/153	• • • • • with inclined cutting member
1/1535	••••• {for thin material, e.g. for sheets, strips or the like}
1/157	rotating about a movable axis (<u>B26D 1/20</u> - <u>B26D 1/24</u> take precedence)
1/1575	•••• { for thin material, e.g. for sheets, strips or the like }
1/16	\ldots . mounted on a movable arm or the like
1/165	••••• {for thin material, e.g. for sheets, strips or the like}
1/18	mounted on a movable carriage

1/185	••••• { for thin material, e.g. for sheets, strips or the like }
1/20	coacting with a fixed member
	-
1/205	•••• {for thin material, e.g. for sheets, strips or
1/22	the like } coacting with a movable member, e.g. a rollor (R26D 1/24 takes precedures)
1 /225	roller (B26D $1/24$ takes precedence)
1/225	•••• {for thin material, e.g. for sheets, strips or the like}
1/24	coacting with another disc cutter
1/245	•••• {for thin material, e.g. for sheets, strips or
	the like}
1/25	• • • with a non-circular cutting member
1/255	• • • { for thin material, e.g. for sheets, strips or the
	like}
1/26	•••• moving about an axis substantially
	perpendicular to the line of cut
1/265	• • • • { for thin material, e.g. for sheets, strips or the like }
1/28	and rotating continuously in one direction
	during cutting
1/285	••••• {for thin material, e.g. for sheets, strips
1/205	or the like}
1/29	•••• with cutting member mounted in the
	plane of a rotating disc, e.g. for slicing
	beans
1/295	•••••• {for thin material, e.g. for sheets,
	strips or the like}
1/30	• • • • • with limited pivotal movement to effect
1/30	-
1/205	cut
1/305	••••• {for thin material, e.g. for sheets, strips
	or the like}
1/34	• • • • moving about an axis parallel to the line of
	cut
1/345	•••• {for thin material, e.g. for sheets, strips or
	the like}
1/36	and rotating continuously in one direction
	during cutting, e.g. mounted on a rotary
	cylinder (for flying cutting <u>B26D 1/62</u>)
1/365	• • • • • { for thin material, e.g. for sheets, strips
1/505	or the like}
1/20	·
1/38	and coacting with a fixed blade or other
	fixed member
1/385	••••• {for thin material, e.g. for sheets, strips
	or the like}
1/40	and coacting with a rotary member
1/405	••••• {for thin material, e.g. for sheets, strips
	or the like}
1/42	and slidably mounted in a rotary member
1/425	• • • • • {for thin material, e.g. for sheets, strips
1/425	or the like}
1/42	*
1/43	• • • moving about another axis, e.g. mounted on
	the surface of a cone or curved body
1/435	• • • • {for thin material, e.g. for sheets, strips or
	the like}
1/44	• • having a cup or like cutting member
1/445	• • { for thin material, e.g. for sheets, strips or the
	like}
1/45	• • having a cutting member the movement of which
	is not covered by any preceding group
1/455	• • { for thin material, e.g. for sheets, strips or the
1/733	like}
1/46	
1/46	• • having an endless band-knife or the like

1/465	• • { for thin material, e.g. for sheets, strips or the like }
1/48	• • • with tensioning means
1/485	• • • { for thin material, e.g. for sheets, strips or the like }
1/50	with a plurality of band-knives or the like
1/505	•••• { for thin material, e.g. for sheets, strips or the like }
1/52	• • • having adjustable spacing between knives
1/525	•••• {for thin material, e.g. for sheets, strips or the like}
1/54	Guides for band-knives or the like
1/543	•••• { for thin material, e.g. for sheets, strips or the like }
1/547	 having a wire-like cutting member (endless wire <u>B26D 1/46</u>; severing using a heated wire <u>B26F 3/12</u>)
1/5475	••• { for thin material, e.g. for sheets, strips or the like }
1/553	• • • with a plurality of wire-like cutting members
1/5535	•••• { for thin material, e.g. for sheets, strips or the like }
1/56	 involving a cutting member which travels with the work {otherwise than in the direction of the cut}, i.e. flying cutter (flying shears for metal <u>B23D 25/00</u>; flying saws for metal <u>B23D 45/18</u>)
1/565	• • {for thin material, e.g. for sheets, strips or the like}
1/58	 and is mounted on a movable arm or the like {(for metal <u>B23D 25/06</u>)}
1/585	••• { for thin material, e.g. for sheets, strips or the like }
1/60	• • and is mounted on a movable carriage
1/605	• • { for thin material, e.g. for sheets, strips or the like }
1/62	• and is rotating about an axis parallel to the line of cut, e.g. mounted on a rotary cylinder
2001/623	• • {for selecting different knife sets by shifting the angle of the rotary cylinder}
1/626	• • { for thin material, e.g. for sheets, strips or the like }
3/00	Cutting work characterised by the nature of the cut made; Apparatus therefor
3/001	• {Cutting tubes longitudinally}
3/003	• {specially adapted for cutting rubber}
3/005	• • {for cutting used tyres}
3/006	• {specially adapted for cutting blocs of plastic material}
3/008	• {by sliding}
3/02	• Bevelling
3/06	• Grooving involving removal of material from the surface of the work
3/065 3/08	• {On sheet material}
3/08	 Making a superficial cut in the surface of the work without removal of material, e.g. scoring, incising {On sheet material}
3/085 3/10	 . {On sneet material} Making cuts of other than simple rectilinear form
3/10	(cutting-out <u>B26F</u>)
3/11	• • to obtain pieces of spiral or helical form
3/12	• Slitting marginal portions of the work, i.e. forming cuts, without removal of material, at an angle, e.g. a right angle, to the edge of the work

nives	3/161	• • {for obtaining more than one product at a time}
strips or	3/162	 . {rot obtaining more than one product at a time? . {cutting tubes obliquely}
-	3/162	 {Cutting tubes from the inside}
	3/164	 . {characterised by means for supporting the tube
ips or the	5,101	from the inside }
	3/165	• • • {by fluid under pressure}
SS .	3/166	• • {Trimming tube-ends}
wire	3/167	• • {Cutting tubes having a non-circular cross-
or the		section}
of the	3/168	• • • {flattened tubes}
mbers	3/169	• • {Hand held tube cutters}
ips or the	3/18	• to obtain cubes or the like (ice harvesting
•	2/195	$\frac{F25C 5/02}{(C-id libra cuttors)}$
vith	3/185 3/20	 . {Grid like cutters} . using reciprocating knives
the	3/20	using recipiccating knives using rotating knives
al	3/22	• • { with adjustable knives }
<u>5/18</u>)	3/223	 to obtain segments other than slices, e.g. cutting pies
r the	3/24	 to obtain segments other than sitces, e.g. cutting pies {having means to change the number of equal
like {(for	5/245	segments, e.g. for pies}
	3/26	• specially adapted for cutting fruit or vegetables,
or the		e.g. for onions
	3/28	• Splitting layers from work; Mutually separating
		layers by cutting (<u>B26D 3/30</u> takes precedence;
or the		Recovery of plastics or other constituents of waste
	a (a a t	material containing plastics <u>B29B 17/00</u>)
e line of	3/281	• • {the work being simultaneously deformed by
		the application of pressure to obtain profiled workpieces}
ifting	3/282	• {by peeling-off}
	3/282	 {by peenig-on} {Household devices therefor}
s or the	2003/285	 {cutting one single slice at each stroke}
	2003/285	 {having a detachable blade that is removable
of the	2003/200	attached to the support}
	2003/287	• • • {having a holder for the product to be cut}
	2003/288	• • • {making several incisions and cutting cubes or
		the like, e.g. so-called "julienne-cutter"}
	3/30	• Halving devices, e.g. for halving buns
ic	5/00	Arrangements for operating and controlling
	2,00	machines or devices for cutting, cutting-out,
		stamping-out, punching, perforating, or severing
m the		by means other than cutting
	2005/002	• {Performing a pattern matching operation}
	5/005	• {Computer numerical control means}
e work	5/007	• {Control means comprising cameras, vision or
cising	5/02	image processing systems }
	5/02	• Means for moving the cutting member into its operative position for cutting
form	5/04	• • by fluid pressure
	5/04	by find pressure by electrical means
	5/08	 Means for actuating the cutting member to effect the
orming	5/00	cut
le, e.g. a	5/083	• • {Rack-and-pinion means}
		× × ,
		3

3/14

3/16

• Forming notches in marginal portion of work by

• Cutting rods or tubes transversely {(cutting tubes

B26D 3/161 takes precedence over groups

cutting (by punching <u>B26F 1/12</u>)

<u>B26D 3/162</u> - <u>B26D 3/168</u>

longitudinally <u>B26D 3/001</u>)}

NOTE

5/086	 {Electric, magnetic, piezoelectric, electro- magnetic means}
5/10	• • Hand or foot actuated means
5/12	Fluid-pressure means
5/12	Crank and pin means
5/16	Crank and philineans Cam means
5/18	
5/10	precedence) - <u>B26D 5/10</u> - <u>B26D 5/16</u> take
5/20	• with interrelated action between the cutting member and work feed
5/22	having the cutting member and work feed mechanically connected
5/24	• • • including a metering device
5/26	• • wherein control means on the work feed means renders the cutting member operative
5/28	• • • the control means being responsive to presence or absence of work
5/30	• • having the cutting member controlled by scanning a record carrier
5/32	• • • with the record carrier formed by the work itself
5/34	• • • scanning being effected by a photosensitive device
5/36	scanning being effected by magnetic means
5/38	• with means operable by the moving work to initiate the cutting action
5/40	• • including a metering device
5/42	• with interrelated action between work feed and
	clamp (work clamping arrangements <u>B26D 7/02</u>)
7/00	Details of apparatus for cutting, cutting-out, stamping-out, punching, perforating, or severing
	by means other than cutting (cutters <u>B26D 1/00</u> ; arrangements for guiding hand cutting tools <u>B26B 29/06</u> ; punching tools or dies, cutting-out
- 000	by means other than cutting (cutters <u>B26D 1/00</u> ; arrangements for guiding hand cutting tools <u>B26B 29/06</u> ; punching tools or dies, cutting-out knives or dies <u>B26F</u>)
7/0006	 by means other than cutting (cutters <u>B26D 1/00</u>; arrangements for guiding hand cutting tools <u>B26B 29/06</u>; punching tools or dies, cutting-out knives or dies <u>B26F</u>) (Means for guiding the cutter (for hand knives
7/0006 2007/0012	 by means other than cutting (cutters <u>B26D 1/00</u>; arrangements for guiding hand cutting tools <u>B26B 29/06</u>; punching tools or dies, cutting-out knives or dies <u>B26F</u>) {Means for guiding the cutter (for hand knives <u>B26B 29/06</u>; for band-knives <u>B26D 1/54</u>)} {Details, accessories or auxiliary or special
2007/0012	 by means other than cutting (cutters <u>B26D 1/00</u>; arrangements for guiding hand cutting tools <u>B26B 29/06</u>; punching tools or dies, cutting-out knives or dies <u>B26F</u>) {Means for guiding the cutter (for hand knives <u>B26B 29/06</u>; for band-knives <u>B26D 1/54</u>)} {Details, accessories or auxiliary or special operations not otherwise provided for}
	 by means other than cutting (cutters B26D 1/00; arrangements for guiding hand cutting tools B26B 29/06; punching tools or dies, cutting-out knives or dies B26F) {Means for guiding the cutter (for hand knives B26B 29/06; for band-knives B26D 1/54)} {Details, accessories or auxiliary or special operations not otherwise provided for} {Trays, reservoirs for waste, chips or cut
2007/0012 2007/0018	 by means other than cutting (cutters B26D 1/00; arrangements for guiding hand cutting tools B26B 29/06; punching tools or dies, cutting-out knives or dies B26F) {Means for guiding the cutter (for hand knives B26B 29/06; for band-knives B26D 1/54)} {Details, accessories or auxiliary or special operations not otherwise provided for} {Trays, reservoirs for waste, chips or cut products}
2007/0012 2007/0018 2007/0025	 by means other than cutting (cutters B26D 1/00; arrangements for guiding hand cutting tools B26B 29/06; punching tools or dies, cutting-out knives or dies B26F) {Means for guiding the cutter (for hand knives B26B 29/06; for band-knives B26D 1/54)} {Details, accessories or auxiliary or special operations not otherwise provided for} {Trays, reservoirs for waste, chips or cut products} {Sterilizing}
2007/0012 2007/0018	 by means other than cutting (cutters <u>B26D 1/00</u>; arrangements for guiding hand cutting tools <u>B26B 29/06</u>; punching tools or dies, cutting-out knives or dies <u>B26F</u>) {Means for guiding the cutter (for hand knives <u>B26B 29/06</u>; for band-knives <u>B26D 1/54</u>)} {Details, accessories or auxiliary or special operations not otherwise provided for} {Trays, reservoirs for waste, chips or cut products} {Sterilizing} {floating a web during slitting}
2007/0012 2007/0018 2007/0025 2007/0031	 by means other than cutting (cutters <u>B26D 1/00</u>; arrangements for guiding hand cutting tools <u>B26B 29/06</u>; punching tools or dies, cutting-out knives or dies <u>B26F</u>) {Means for guiding the cutter (for hand knives <u>B26B 29/06</u>; for band-knives <u>B26D 1/54</u>)} {Details, accessories or auxiliary or special operations not otherwise provided for} {Trays, reservoirs for waste, chips or cut products} {Sterilizing} {floating a web during slitting} {the cutter being a so-called "iris cutter"}
2007/0012 2007/0018 2007/0025 2007/0031 2007/0037	 by means other than cutting (cutters B26D 1/00; arrangements for guiding hand cutting tools B26B 29/06; punching tools or dies, cutting-out knives or dies B26F) {Means for guiding the cutter (for hand knives B26B 29/06; for band-knives B26D 1/54)} {Details, accessories or auxiliary or special operations not otherwise provided for} {Trays, reservoirs for waste, chips or cut products} {Sterilizing} {the cutter being a so-called "iris cutter"} {the cutting machine comprising a linear motor} {cutters, e.g. guillotines, used in a label maker or
2007/0012 2007/0018 2007/0025 2007/0031 2007/0037 2007/0043	 by means other than cutting (cutters B26D 1/00; arrangements for guiding hand cutting tools B26B 29/06; punching tools or dies, cutting-out knives or dies B26F) {Means for guiding the cutter (for hand knives B26B 29/06; for band-knives B26D 1/54)} {Details, accessories or auxiliary or special operations not otherwise provided for} {Trays, reservoirs for waste, chips or cut products} {Sterilizing} {Inductive being a so-called "iris cutter"} {the cutter being a so-called "iris cutter"} {the cutters, e.g. guillotines, used in a label maker or printer} {Rotating a pile of sheets in the plane of the
2007/0012 2007/0018 2007/0025 2007/0031 2007/0037 2007/0043 2007/005	 by means other than cutting (cutters B26D 1/00; arrangements for guiding hand cutting tools B26B 29/06; punching tools or dies, cutting-out knives or dies B26F) {Means for guiding the cutter (for hand knives B26B 29/06; for band-knives B26D 1/54)} {Details, accessories or auxiliary or special operations not otherwise provided for} {Trays, reservoirs for waste, chips or cut products} {Sterilizing} {the cutter being a so-called "iris cutter"} {the cutting machine comprising a linear motor} {Rotating a pile of sheets in the plane of the sheets} {Rounding off the end of self adhesive labels on
2007/0012 2007/0018 2007/0025 2007/0031 2007/0043 2007/0043 2007/005	 by means other than cutting (cutters B26D 1/00; arrangements for guiding hand cutting tools B26B 29/06; punching tools or dies, cutting-out knives or dies B26F) {Means for guiding the cutter (for hand knives B26B 29/06; for band-knives B26D 1/54)} {Details, accessories or auxiliary or special operations not otherwise provided for} {Trays, reservoirs for waste, chips or cut products} {Sterilizing} {the cutter being a so-called "iris cutter"} {the cutting machine comprising a linear motor} {cutters, e.g. guillotines, used in a label maker or printer} {Rounding off the end of self adhesive labels on tapes}
2007/0012 2007/0018 2007/0025 2007/0031 2007/0043 2007/005 2007/0056 2007/0056	 by means other than cutting (cutters B26D 1/00; arrangements for guiding hand cutting tools B26B 29/06; punching tools or dies, cutting-out knives or dies B26F) {Means for guiding the cutter (for hand knives B26B 29/06; for band-knives B26D 1/54)} {Details, accessories or auxiliary or special operations not otherwise provided for} {Trays, reservoirs for waste, chips or cut products} {Sterilizing} {the cutter being a so-called "iris cutter"} {the cutting machine comprising a linear motor} {cutters, e.g. guillotines, used in a label maker or printer} {Rounding off the end of self adhesive labels on tapes} {Trimming and removing web edges}
2007/0012 2007/0018 2007/0025 2007/0031 2007/0037 2007/0043 2007/005 2007/0056 2007/0062	 by means other than cutting (cutters B26D 1/00; arrangements for guiding hand cutting tools B26B 29/06; punching tools or dies, cutting-out knives or dies B26F) {Means for guiding the cutter (for hand knives B26B 29/06; for band-knives B26D 1/54)} {Details, accessories or auxiliary or special operations not otherwise provided for} {Trays, reservoirs for waste, chips or cut products} {floating a web during slitting} {the cutter being a so-called "iris cutter"} {the cutting machine comprising a linear motor} {cutters, e.g. guillotines, used in a label maker or printer} {Rounding off the end of self adhesive labels on tapes} {Trimming and removing web edges} {so-called "winder slitters"}
2007/0012 2007/0018 2007/0025 2007/0031 2007/0037 2007/0043 2007/005 2007/0056 2007/0068 2007/0068 2007/0075 2007/0081	 by means other than cutting (cutters B26D 1/00; arrangements for guiding hand cutting tools B26B 29/06; punching tools or dies, cutting-out knives or dies B26F) {Means for guiding the cutter (for hand knives B26B 29/06; for band-knives B26D 1/54)} {Details, accessories or auxiliary or special operations not otherwise provided for} {Trays, reservoirs for waste, chips or cut products} {Sterilizing} {Index cutter being a so-called "iris cutter"} {the cutter being a so-called "iris cutter"} {the cutters, e.g. guillotines, used in a label maker or printer} {Rounding off the end of self adhesive labels on tapes} {Trimming and removing web edges} {cutting on three sides, e.g. trilateral trimming}
2007/0012 2007/0018 2007/0025 2007/0031 2007/0043 2007/0043 2007/0056 2007/0056 2007/0068 2007/0075 2007/0081 2007/0081 2007/0087	 by means other than cutting (cutters B26D 1/00; arrangements for guiding hand cutting tools B26B 29/06; punching tools or dies, cutting-out knives or dies B26F) {Means for guiding the cutter (for hand knives B26B 29/06; for band-knives B26D 1/54)} {Details, accessories or auxiliary or special operations not otherwise provided for} {Trays, reservoirs for waste, chips or cut products} {Sterilizing} {floating a web during slitting} {the cutter being a so-called "iris cutter"} {the cutting machine comprising a linear motor} {cutters, e.g. guillotines, used in a label maker or printer} {Rounding off the end of self adhesive labels on tapes} {Trimming and removing web edges} {cutting on three sides, e.g. trilateral trimming} {for use on a desktop}
2007/0012 2007/0018 2007/0025 2007/0031 2007/0037 2007/0043 2007/005 2007/0056 2007/0068 2007/0068 2007/0075 2007/0081	 by means other than cutting (cutters B26D 1/00; arrangements for guiding hand cutting tools B26B 29/06; punching tools or dies, cutting-out knives or dies B26F) (Means for guiding the cutter (for hand knives B26B 29/06; for band-knives B26D 1/54)) (Details, accessories or auxiliary or special operations not otherwise provided for) {Trays, reservoirs for waste, chips or cut products} {Sterilizing} {floating a web during slitting} {the cutter being a so-called "iris cutter"} {the cutter being a so-called "iris cutter"} {the cutter being a so-called in a label maker or printer} {Rotating a pile of sheets in the plane of the sheets} {Rounding off the end of self adhesive labels on tapes} {touting on three sides, e.g. trilateral trimming} {for use on a desktop}
2007/0012 2007/0018 2007/0025 2007/0031 2007/0043 2007/0043 2007/0056 2007/0056 2007/0068 2007/0075 2007/0081 2007/0081 2007/0087	 by means other than cutting (cutters B26D 1/00; arrangements for guiding hand cutting tools B26B 29/06; punching tools or dies, cutting-out knives or dies B26F) (Means for guiding the cutter (for hand knives B26B 29/06; for band-knives B26D 1/54)) (Details, accessories or auxiliary or special operations not otherwise provided for) {Trays, reservoirs for waste, chips or cut products} {Sterilizing} {Indating a web during slitting} {the cutter being a so-called "iris cutter"} {the cutter being a so-called "iris cutter"} {the cutting machine comprising a linear motor} {cutters, e.g. guillotines, used in a label maker or printer} {Rounding off the end of self adhesive labels on tapes} {Trimming and removing web edges} {so-called "winder slitters"} {Cutting on three sides, e.g. trilateral trimming} {for use on a desktop} {for embossing, forming, creasing, flange
2007/0012 2007/0018 2007/0025 2007/0031 2007/0043 2007/005 2007/0056 2007/0056 2007/0068 2007/0068 2007/0081 2007/0087 2007/0087 2007/0093	 by means other than cutting (cutters B26D 1/00; arrangements for guiding hand cutting tools B26B 29/06; punching tools or dies, cutting-out knives or dies B26F) (Means for guiding the cutter (for hand knives B26B 29/06; for band-knives B26D 1/54)) (Details, accessories or auxiliary or special operations not otherwise provided for) {Trays, reservoirs for waste, chips or cut products} {Sterilizing} {Index cutter being a so-called "iris cutter"} {the cutter being a so-called "iris cutter"} {the cutter being a so-called "iris cutter"} {the cutters, e.g. guillotines, used in a label maker or printer} {Rounding off the end of self adhesive labels on tapes} {trumming and removing web edges} {so-called "winder slitters"} {for use on a desktop} {for embossing, forming, creasing, flange forming}
2007/0012 2007/0018 2007/0025 2007/0031 2007/0043 2007/0043 2007/0056 2007/0056 2007/0068 2007/0068 2007/0081 2007/0081 2007/0087 2007/0093	 by means other than cutting (cutters B26D 1/00; arrangements for guiding hand cutting tools B26B 29/06; punching tools or dies, cutting-out knives or dies B26F) {Means for guiding the cutter (for hand knives B26B 29/06; for band-knives B26D 1/54)} {Details, accessories or auxiliary or special operations not otherwise provided for} {Trays, reservoirs for waste, chips or cut products} {Sterilizing} {floating a web during slitting} {the cutter being a so-called "iris cutter"} {the cutting machine comprising a linear motor} {cutters, e.g. guillotines, used in a label maker or printer} {Rounding off the end of self adhesive labels on tapes} {Trimming and removing web edges} {cutting on three sides, e.g. trilateral trimming} {for use on a desktop} {for embossing, forming, creasing, flange forming} Means for holding or positioning work {by clamping claws, e.g. in high speed slicers for

7/016	• • {Back gauges (for metal shearing machines
7/010	<u>B23D 33/10</u>)}
7/018	• {Holding the work by suction}
7/02	 with clamping means {(<u>B26D 7/018</u> takes precedence)}
7/025	• • {acting upon planar surfaces (<u>B26D 7/04</u> takes precedence)}
7/04	• • providing adjustable clamping pressure
7/06	• Arrangements for feeding or delivering work of other than sheet, web, or filamentary form (feeding or discharging sheets, webs, or filaments <u>B65H</u>)
7/0608	 {by pushers (<u>B26D 7/0616</u>, <u>B26D 7/0625</u> and <u>B26D 7/0641</u> take precedence)}
7/0616	• {by carriages, e.g. for slicing machines}
7/0625	• {by endless conveyors, e.g. belts}
7/0633	• • {by grippers}
7/0641	• {using chutes, hoppers, magazines}
7/065	• {by the cutter itself because of its form}
7/0658	 {using fluid, e.g. hydraulic, acting directly on the work}
7/0666	• {by screw or rotary spiral conveyors}
7/0675	 {specially adapted for piles of sheets}
7/0683	 (specially adapted for elongated articles)
7/0691	 (perially daupted for energies and energy) (by centrifugal force)
7/08	• Means for treating work or cutting member
	to facilitate cutting (tensioning band cutters <u>B26D 1/48</u>)
2007/082	• • {Guiding or pushing a web into a favorable
	position by deflector means}
7/084	• • {specially adapted for cutting articles composed of at least two different materials, e.g. using
	cutters of different shapes (cutting concrete B28B 11/14)}
7/086	• • {by vibrating, e.g. ultrasonically}
7/088	• • {by cleaning or lubricating (sterilizing <u>B26D 1/00</u>)}
7/10	• by heating (with Laser <u>B23K 26/00;</u> severing by heating <u>B26F</u>)
7/12	• • by sharpening the cutting member
7/14	• • by tensioning the work
7/18	. Means for removing cut-out material or waste
2007/1809	• • {by stripping fingers}
7/1818	• • {by pushing out}
7/1827	• • {by tearing}
7/1836	• • {by pulling out}
7/1845	• • {by non mechanical means}
7/1854	• • • {by air under pressure}
7/1863	• • • {by suction}
2007/1872	• • {using breakaway pins}
2007/1881	• • {using countertools}
2007/189	• • {Mounting blanking, stripping and break-out tools}
7/20	 Cutting beds {(<u>B26D 7/018</u> takes precedence; supporting beds for severing by means of a fluid jet <u>B26F 3/008</u>)}
2007/202	• • {Rollers or cylinders being pivoted during
7/204	operation}
7/204	• • {Anvil rollers}
2007/206	• • {having a travelling gap}
2007/208	• {having a cleaning device}
7/22	• Safety devices specially adapted for cutting
7/225	machines (safety devices in general $\underline{F16P}$)
7/225	• • {for food slicers}

7/24	• arranged to disable the operating means for the cutting member
7/26	 Means for mounting or adjusting the cutting member; Means for adjusting the stroke of the
	cutting member
2007/2607	• • {for mounting die cutters}
7/2614	• • {Means for mounting the cutting member}
7/2621	• • • {for circular cutters}
7/2628	• • {Means for adjusting the position of the cutting member}
7/2635	• • { for circular cutters }
7/2642	• • { for slotting cutters }
7/265	• • • {Journals, bearings or supports for positioning rollers or cylinders relatively to each other}
2007/2657	• • {Auxiliary carriages for moving the tool holders}
2007/2664	• • {for radial adjustment}
2007/2671	• • {for cutters moving in a planetary motion on their support, e.g. so-called "Ferris Wheels"}
2007/2678	• • {for cutting pens mounting in a cutting plotter}
2007/2685	• • {flexible mounting means}
2007/2692	• • {the rollers or cylinders being mounted skewed}
7/27	• Means for performing other operations combined with cutting (<u>B26D 9/00</u> takes precedence)
7/28	• for counting the number of cuts or measuring cut lenghts (<u>B26D 5/24</u> , <u>B26D 5/40</u> take precedence)
7/30	• • for weighing cut product
7/32	 for conveying or stacking cut product (means for removing cut-out material or waste <u>B26D 7/18</u>)
2007/322	••• {the cut products being sheets, e.g. sheets of paper}
7/325	 • {stacking the cut product individually separated by separator elements}
2007/327	• • • {the cut products being slices of bread}
7/34	• • for applying a coating, such as butter, to cut product
9/00	Cutting apparatus combined with punching or
5,00	perforating apparatus or with dissimilar cutting apparatus
11/00	Combinations of several similar cutting apparatus
2011/005	• {in combination with different kind of cutters, e.g.
	two serial slitters in combination with a transversal cutter}
2210/00	Machines or methods used for cutting special materials
2210/02	• for cutting food products, e.g. food slicers
2210/04	• • controlling the volume by pressing the food
	product, e.g. meat to a predetermined shape before cutting
2210/06	• for bread, e.g. bread slicing machines for use in a
2210/08	retail store . Idle cutting
2210/00	• for cutting web rolls

2210/11 . for cutting web rolls