

CPC COOPERATIVE PATENT CLASSIFICATION

B PERFORMING OPERATIONS; TRANSPORTING

(NOTES omitted)

SHAPING

B31 MAKING ARTICLES OF PAPER, CARDBOARD OR MATERIAL WORKED IN A MANNER ANALOGOUS TO PAPER; WORKING PAPER, CARDBOARD OR MATERIAL WORKED IN A MANNER ANALOGOUS TO PAPER

(NOTES omitted)

B31D MAKING ARTICLES OF PAPER, CARDBOARD OR MATERIAL WORKED IN A MANNER ANALOGOUS TO PAPER, NOT PROVIDED FOR IN SUBCLASSES **B31B** OR **B31C** (manufacture by dry processes of articles made from particles or fibres consisting of wood or other lignocellulosic or like organic material [B27N](#); making layered products not composed wholly of paper or cardboard [B32B](#); making articles from cellulosic fibrous suspensions, e.g. wood pulp, [D21J](#))

1/00	Multiple-step processes for making flat articles {;	1/024	. . . {to labels or tags composed of two layers, the
	Making flat articles}		wire or thread being embedded between them}
1/0006	. {the articles being coffee filters}	1/025	. . {Applying patches, washers or reinforcements}
1/0012	. {the articles being mounting corners for	1/026	. . {Cutting or perforating (B31D 1/022 takes
	photographs or cards}		precedence)}
1/0018	. {the articles being pull-tab closure discs for bottles,	1/027	. . {involving, marking, printing or coding}
	jars or like containers}	1/028	. . {Applying RFID chips}
1/0025	. {Making articles having embedded wires	1/04	. the articles being napkins, handkerchiefs, towels,
	(B31D 1/024 takes precedence)}		doilies, or the like
1/0031	. {the articles being paper nettings, e.g. by slitting	1/06	. the articles being handles
	and expanding webs or sheets}	1/065	. . {the articles being parcel carriers}
1/0037	. {the articles being toilet seat covers (toilet seat		
	covers per se A47K 13/14)}	3/00	Making articles of cellular structure, e.g.
1/0043	. {the articles being box parts not otherwise provided		insulating board
	for}	3/002	. {Methods for making cellular structures; Cellular
1/005	. . {making bottoms or caps}		structures (B31D 3/005 takes precedence)}
1/0056	. {the articles being package fasteners, e.g. tubular	3/005	. {Making cellular structures from corrugated webs or
	bands}		sheets}
1/0062	. {the articles being adhesive strips or tape}	3/007	. . {by cutting corrugated webs longitudinally into
1/0068	. {the articles being saucer or beerglass pads, liners		strips, piling these strips and uniting them}
	for closing caps or similar articles}	3/02	. honeycombed structures {, i.e. the cells having an
1/0075	. {by assembling, e.g. by laminating		essentially hexagonal section}
	(B31D 1/0012 - B31D 1/0068 take precedence)}	3/0207	. . {of particular shape or construction}
1/0081	. . {by attaching individual objects to webs or	3/0215	. . . {for window coverings}
	sheets}	3/0223	. . {Making honeycomb cores, e.g. by piling a
1/0087	. . . {the webs or sheets being provided with		plurality of web sections or sheets}
	apertures for the objects, e.g. with means for	3/023	. . . {by cutting webs longitudinally into strips,
	making the apertures}		piling these strips and uniting them along lines
1/0093	. {involving impregnating}		perpendicular to the cuts}
1/02	. the articles being labels or tags	3/0238 {involving laminating the expanded core}
		3/0246	. . . {Plane webs having essentially longitudinal
	NOTE		adhesive strips being folded transversely into
	Attaching threads to labels or tags is classified in		stacks or being cut transversely into sections
	group B31D 1/02 , e.g. B31D 1/023		which are piled, e.g. zigzag-folding the webs
1/021	. . {Making adhesive labels having a multilayered		preceding the cutting}
	structure, e.g. provided on carrier webs}	3/0253 {involving laminating the expanded core}
1/022	. . {Label folding}	3/0261 {by applying longitudinal adhesive strips
1/023	. . {Attaching wires or threads}		to the web and zig-zag folding the strips
			transversely}

B31D

- 3/0269 . . . {Forming piles by winding a web on a reel ([B31D 3/0215](#) takes precedence)}
- 3/0276 . . . {Plane webs having essentially transverse adhesive strips being folded transversely into stacks or being cut transversely into sections which are piled}
- 3/0284 . . {Laminating honeycomb cores; applying cover sheets to core edges; working core edges}
- 3/0292 . . {involving auxiliary operations, e.g. expanding, moistening, glue-applying, joining, controlling}
- 3/04 . cellular packaging articles, e.g. for bottles
- 5/00 Multiple-step processes for making three-dimensional [3D] articles**
- NOTE**
Making drinking straws is classified in group [B31D 5/00](#), e.g. [B31D 5/0095](#)
- 2205/0017 . . . Providing stock material in a particular form
- 2205/0023 as web from a roll
- 2205/0029 unwound from inside
- 2205/0035 as fan folded web
- 2205/0041 as individual sheets from a pile
- 2205/0047 . . . Feeding, guiding or shaping the material
- 2205/0052 . . . Perforating; Forming lines of weakness
- 2205/0058 . . . Cutting; Individualising the final products
- 2205/0064 . . . Stabilizing the shape of the final product, e.g. by mechanical interlocking
- 2205/007 . . . Delivering
- 2205/0076 . . involving particular machinery details
- 2205/0082 . . . General layout of the machinery or relative arrangement of its subunits
- 2205/0088 . . . Control means
- 2205/0094 . . . Safety devices

- 5/0004 . {for making inserts, e.g. partitions, for boxes}
- 5/0008 . . {the inserts having recesses for holding ampoules}
- 5/0013 . . {the inserts having interengaged slotted panels}
- 5/0017 . . . {involving folding one of the panels into an U-shape}
- 5/0021 . . {the inserts having the form of a tray}
- 5/0026 . . {involving collapsing or stacking the inserts}
- 5/003 . . {the inserts being egg carton fillers}
- 5/0034 . {for making valve inserts for bags}
- 5/0039 . {for making dunnage or cushion pads}
- 5/0043 . . {including crumpling flat material}
- 5/0047 . . . {involving toothed wheels}
- 5/0052 . . . {involving rollers}
- 5/0056 . . . {involving belts}
- 5/006 . . {including controlled deformation of flat material, e.g. pleating, corrugating or embossing ([including crumpling flat material B31D 5/0043](#))}
- 5/0065 . . {including slitting and expanding flat material}
- 5/0069 . . {including forming or transforming three-dimensional material, e.g. corrugated webs or material of cellular structure ([making articles of cellular structure B31D 3/00](#), [corrugating paper or cardboard B31F 1/20](#))}
- 5/0073 . . {including pillow forming}
- 5/0078 . . . {and filling with a material other than air or gas}
- 5/0082 . {Making filter elements, e.g. pleated}
- 5/0086 . {Making hollow objects ([B31D 5/0082](#), [B31D 5/0095](#), [B31D 5/02](#), [B31D 5/04](#) take precedence)}
- 5/0091 . {Making paper sticks ([involving winding B31C](#))}
- 5/0095 . {Making drinking straws}
- 5/02 . including pressing
- 5/04 . including folding or pleating, e.g. Chinese lanterns

99/00 Subject matter not provided for in other groups of this subclass

2201/00 Multiple-step processes for making flat articles

- 2201/02 . the articles being labels or tags

2205/00 Multiple-step processes for making three-dimensional articles

- 2205/0005 . for making dunnage or cushion pads
- 2205/0011 . . including particular additional operations