

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](#))

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|-------------|---|--------------|--|
| 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} |

- 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 articles (; Making three-dimensional articles)

NOTE

Making drinking straws is classified in group [B31D 5/00](#), e.g. [B31D 5/0095](#)

- 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

- 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