

# 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](#))

- |             |   |              |  |
|-------------|---|--------------|--|
| <b>1/00</b> | <b>Multiple-step processes for making flat articles {;</b>                    | <b>1/024</b> | <b>. . . {to labels or tags composed of two layers, the</b>    |
|             | <b>Making flat articles}</b>  |              | <b>wire or thread being embedded between them}</b>             |
| 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 ( <a href="#">B31D 1/022</a> takes |
|             | photographs or cards}   |              | <a href="#">precedence</a> )}                                  |
| 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,           |
|             | ( <a href="#">B31D 1/024</a> 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                         |              |  |
|             | <a href="#">covers per se A47K 13/14</a> )}                                   | <b>3/00</b>  | <b>Making articles of cellular structure, e.g.</b>             |
| 1/0043      | . {the articles being box parts not otherwise provided                        |              | <b>insulating board</b>  |
|             | for}  | 3/002        | . {Methods for making cellular structures; Cellular            |
| 1/005       | . . {making bottoms or caps}  |              | structures ( <a href="#">B31D 3/005</a> 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}                                 |
|             | ( <a href="#">B31D 1/0012</a> - <a href="#">B31D 1/0068</a> 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              |
|             |   |              | adhesive strips being folded transversely into                 |
|             |   |              | stacks or being cut transversely into sections                 |
|             |   |              | which are piled, e.g. zigzag-folding the webs                  |
|             |   |              | preceding the cutting}   |
|             |   | 3/0253       | . . . . {involving laminating the expanded core}               |
| 1/021       | . . {Making adhesive labels having a multilayered                             | 3/0261       | . . . . {by applying longitudinal adhesive strips              |
|             | structure, e.g. provided on carrier webs}                                     |              | to the web and zig-zag folding the strips                      |
| 1/022       | . . {Label folding}   |              | transversely}  |
| 1/023       | . . {Attaching wires or threads}  |              |  |

### NOTE

Attaching threads to labels or tags is classified in group [B31D 1/02](#), e.g. [B31D 1/023](#)

- 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