

# 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 { Making flat articles}

#### WARNING

Group [B31D 1/00](#) is impacted by reclassification into group [B31B 50/00](#).

Groups [B31D 1/00](#) and [B31B 50/00](#) should be considered in order to perform a complete search.

- 1/0006 . {the articles being coffee filters}
- 1/0012 . {the articles being mounting corners for photographs or cards}
- 1/0018 . {the articles being pull-tab closure discs for bottles, jars or like containers}
- 1/0025 . {Making articles having embedded wires ([B31D 1/024](#) takes precedence)}
- 1/0031 . {the articles being paper nettings, e.g. by slitting and expanding webs or sheets}
- 1/0037 . {the articles being toilet seat covers (toilet seat covers per se [A47K 13/14](#))}
- 1/0043 . {the articles being box parts not otherwise provided for}
- 1/005 . . {making bottoms or caps}
- 1/0056 . {the articles being package fasteners, e.g. tubular bands}
- 1/0062 . {the articles being adhesive strips or tape}
- 1/0068 . {the articles being saucer or beerglass pads, liners for closing caps or similar articles}
- 1/0075 . {by assembling, e.g. by laminating ([B31D 1/0012](#) - [B31D 1/0068](#) take precedence)}
- 1/0081 . . {by attaching individual objects to webs or sheets}
- 1/0087 . . . {the webs or sheets being provided with apertures for the objects, e.g. with means for making the apertures}
- 1/0093 . {involving impregnating}

- 1/02 . the articles being labels or tags

#### NOTE

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

- 1/021 . . {Making adhesive labels having a multilayered structure, e.g. provided on carrier webs}
- 1/022 . . {Label folding}
- 1/023 . . {Attaching wires or threads}
- 1/024 . . . {to labels or tags composed of two layers, the wire or thread being embedded between them}
- 1/025 . . {Applying patches, washers or reinforcements}
- 1/026 . . {Cutting or perforating ([B31D 1/022](#) takes precedence)}
- 1/027 . . {involving, marking, printing or coding}
- 1/028 . . {Applying RFID chips}
- 1/04 . the articles being napkins, handkerchiefs, towels, doilies, or the like
- 1/06 . the articles being handles
- 1/065 . . {the articles being parcel carriers}

### 3/00 Making articles of cellular structure, e.g. insulating board

#### WARNING

Group [B31D 3/00](#) is impacted by reclassification into group [B31B 50/00](#).

Groups [B31D 3/00](#) and [B31B 50/00](#) should be considered in order to perform a complete search.

- 3/002 . {Methods for making cellular structures; Cellular structures ([B31D 3/005](#) takes precedence)}
- 3/005 . {Making cellular structures from corrugated webs or sheets}
- 3/007 . . {by cutting corrugated webs longitudinally into strips, piling these strips and uniting them}
- 3/02 . honeycombed structures {, i.e. the cells having an essentially hexagonal section}
- 3/0207 . . {of particular shape or construction}

- 3/0215 . . . {for window coverings}
- 3/0223 . . {Making honeycomb cores, e.g. by piling a plurality of web sections or sheets}
- 3/023 . . . {by cutting webs longitudinally into strips, piling these strips and uniting them along lines perpendicular to the cuts}
- 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}
- 3/0261 . . . . {by applying longitudinal adhesive strips 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](#)

**WARNING**

Group [B31D 5/00](#) is impacted by reclassification into group [B31B 50/00](#).

Groups [B31D 5/00](#) and [B31B 50/00](#) should be considered in order to perform a complete search.

- 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}

**WARNING**

Group [B31D 5/0039](#) is impacted by reclassification into group [B31D 5/04](#).

Groups [B31D 5/0039](#) and [B31D 5/04](#) should be considered in order to perform a complete search.

- 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

**WARNING**

Group [B31D 5/02](#) is impacted by reclassification into group [B31B 50/00](#).

Groups [B31D 5/02](#) and [B31B 50/00](#) should be considered in order to perform a complete search.

- 5/04 . . including folding or pleating, e.g. Chinese lanterns

**WARNING**

Group [B31D 5/04](#) is incomplete pending reclassification of documents from group [B31D 5/0039](#).

Group [B31D 5/04](#) is also impacted by reclassification into group [B31B 50/00](#).

Groups [B31D 5/04](#), [B31D 5/0039](#), and [B31B 50/00](#) should be considered in order to perform a complete search.

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

**WARNING**

Group [B31D 99/00](#) is impacted by reclassification into group [B31B 50/00](#).

Groups [B31D 99/00](#) and [B31B 50/00](#) should be considered in order to perform a complete search.

**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

## B31D

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