

**CPC****COOPERATIVE PATENT CLASSIFICATION****B31D****MAKING ARTICLES OF PAPER OR CARDBOARD 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 cardboard or paper [D21F](#), [D21H](#); making articles from cellulosic fibrous suspensions, e.g. wood pulp [D21J](#))

**B31D 1/00****Multiple-step processes for making flat articles; {Making flat articles}**[B31D 1/0006](#)

. {the articles being coffee filters}

[B31D 1/0012](#)

. {the articles being mounting corners for photographs or cards}

[B31D 1/0018](#)

. {the articles being pull-tab closure discs for bottles, jars or like containers}

[B31D 1/0025](#). {Making articles having embedded wires ([B31D 1/024](#) takes precedence)}[B31D 1/0031](#)

. {the articles being paper nettings, e.g. by slitting and expanding webs or sheets}

[B31D 1/0037](#). {the articles being toilet seat covers (toilet seat covers per se [A47K 13/14](#))}[B31D 1/0043](#)

. {the articles being box parts not otherwise provided for}

[B31D 1/005](#)

.. {making bottoms or caps}

[B31D 1/0056](#)

. {the articles being package fasteners, e.g. tubular bands}

[B31D 1/0062](#)

. {the articles being adhesive strips or tape}

[B31D 1/0068](#)

. {the articles being saucer or beerglass pads, liners for closing caps or similar articles}

[B31D 1/0075](#). {by assembling, e.g. by laminating ([B31D 1/0012](#) to [B31D 1/0068](#) take precedence)}[B31D 1/0081](#)

.. {by attaching individual objects to webs or sheets}

[B31D 1/0087](#)

... {the webs or sheets being provided with apertures for the objects e.g. with means for making the apertures}

[B31D 1/0093](#)

. {involving impregnating}

[B31D 1/02](#). the articles being labels or tags (means and processes for attaching threads [D05](#))**NOTE**

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

[B31D 1/021](#)

.. {Making adhesive labels having a multilayered structure, e.g. provided on carrier webs}

[B31D 1/022](#)

.. {Label folding}

[B31D 1/023](#)

.. {Attaching wires or threads}

[B31D 1/024](#)

... {to labels or tags composed of two layers, the wire or thread being embedded between them}

[B31D 1/025](#)

.. {Applying patches, washers or reinforcements}

[B31D 1/026](#).. {Cutting or perforating ([B31D 1/022](#) takes precedence)}[B31D 1/027](#)

.. {involving, marking, printing or coding}

[B31D 1/028](#)

.. {Applying RFID chips}

- B31D 1/04 . the articles being napkins, handkerchiefs, towels, doilies, or the like
- B31D 1/06 . the articles being handles
- B31D 1/065 .. {the articles being parcel carriers}
  
- B31D 3/00** **Making articles of cellular structure, e.g. insulating board**
- B31D 3/002 . {Methods for making cellular structures; Cellular structures ([B31D 3/005](#) takes precedence)}
- B31D 3/005 . {Making cellular structures from corrugated webs or sheets}
- B31D 3/007 .. {by cutting corrugated webs longitudinally into strips, piling these strips and uniting them}
  
- B31D 3/02 . Honeycombed structures {i.e. the cells having an essentially hexagonal section}
- B31D 3/0207 .. {of particular shape or construction}
- B31D 3/0215 ... {for window coverings}
- B31D 3/0223 .. {Making honeycomb cores, e.g. by piling a plurality of web sections or sheets}
- B31D 3/023 ... {by cutting webs longitudinally into strips, piling these strips and uniting them along lines perpendicular to the cuts}
  
- B31D 3/0238 .... {involving laminating the expanded core}
- B31D 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}
  
- B31D 3/0253 .... {involving laminating the expanded core}
- B31D 3/0261 .... {by applying longitudinal adhesive strips 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)}
- B31D 3/0276 ... {Plane webs having essentially transverse adhesive strips being folded transversely into stacks or being cut transversely into sections which are piled}
  
- B31D 3/0284 .. {Laminating honeycomb cores; applying cover sheets to core edges; working core edges}
- B31D 3/0292 .. {involving auxiliary operations, e.g. expanding, moistening, glue-applying, joining, controlling}
  
- B31D 3/04 . cellular packaging articles, e.g. for bottles {(making box position inserts [B31B 11/00](#))}

**B31D 5/00** **Multiple-step processes for making three-dimensional articles; {Making three-dimensional articles}** (assembly {or manufacture} of garlands [A41G 1/04](#); making receptacles or containers [B31B](#); making tubes [B31B](#), [B31C](#))

#### **NOTE**

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

- B31D 5/0004 . {for making inserts, e.g. partitions, for boxes}
- B31D 5/0008 .. {the inserts having recesses for holding ampoules}
- B31D 5/0013 .. {the inserts having interengaged slotted panels}
- B31D 5/0017 ... {involving folding one of the panels into an U-shape}
- B31D 5/0021 .. {the inserts having the form of a tray}
- B31D 5/0026 .. {involving collapsing or stacking the inserts}

- B31D 5/003 .. {the inserts being egg carton fillers}
- B31D 5/0034 . {for making valve inserts for bags}
- B31D 5/0039 . {for making dunnage or cushion pads}
- B31D 5/0043 .. {including crumpling flat material}
- B31D 5/0047 ... {involving toothed wheels}
- B31D 5/0052 ... {involving rollers}
- B31D 5/0056 ... {involving belts}
- B31D 5/006 .. {including controlled deformation of flat material, e.g. pleating, corrugating or embossing (including crumpling flat material [B31D 5/0043](#))}
- B31D 5/0065 .. {including slitting and expanding flat material}
- B31D 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](#))}
- B31D 5/0073 .. {including pillow forming}
- B31D 5/0078 ... {and filling with a material other than air or gas}
- B31D 5/0082 . {Making filter elements, e.g. pleated}
- B31D 5/0086 . {Making hollow objects ([B31D 5/0082](#), [B31D 5/0095](#), [B31D 5/02](#), [B31D 5/04](#) take precedence)}
- B31D 5/0091 . {Making paper sticks (involving winding [B31C](#))}
- B31D 5/0095 . {Making drinking straws}
- B31D 5/02 . including pressing
- B31D 5/04 . including folding or pleating, e.g. Chinese lanterns including folding or pleating, e.g. Chinese lanterns {([B31D 5/0039](#) takes precedence)}

**B31D 99/00** Subject matter not provided for in other groups of this subclass

**B31D 2201/00** Multiple-step processes for making flat articles

- B31D 2201/02 . the articles being labels or tags

**B31D 2205/00** Multiple-step processes for making three-dimensional articles

- B31D 2205/0005 . for making dunnage or cushion pads
- B31D 2205/0011 .. including particular additional operations
- B31D 2205/0017 ... Providing stock material in a particular form
- B31D 2205/0023 .... as web from a roll
- B31D 2205/0029 ..... unwound from inside
- B31D 2205/0035 .... as fan folded web
- B31D 2205/0041 .... as individual sheets from a pile
- B31D 2205/0047 ... Feeding, guiding or shaping the material
- B31D 2205/0052 ... Perforating; Forming lines of weakness
- B31D 2205/0058 ... Cutting; Individualising the final products
- B31D 2205/0064 ... Stabilizing the shape of the final product, e.g. by mechanical interlocking
- B31D 2205/007 ... Delivering
- B31D 2205/0076 .. involving particular machinery details

<a href="#">B31D 2205/0082</a>	. . .	General layout of the machinery or relative arrangement of its subunits
<a href="#">B31D 2205/0088</a>	. . .	Control means
<a href="#">B31D 2205/0094</a>	. . .	Safety devices