

CPC**COOPERATIVE PATENT CLASSIFICATION****B31D**

MAKING OTHER PAPER ARTICLES (manufacture by dry processes of articles made from particles or fibres consisting of wood or other lignocellulosic material [B27N](#) ; making layered products not composed wholly of paper or cardboard [B32B](#) ; making cardboard or paper [D21F](#) , [D21H](#) ; making articles from wood pulp [D21J](#))

NOTE

This subclass covers the making, otherwise than by winding, of articles other than boxes, cartons, envelopes, bags, and tubes from paper, other than from paper pulp.

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 1/02B1](#), [B31D 1/022](#) take 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 5/00J](#)

- [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
 B31D 2205/0082 . . . General layout of the machinery or relative arrangement of its subunits
 B31D 2205/0088 . . . Control means
 B31D 2205/0094 . . . Safety devices