

CPC**COOPERATIVE PATENT CLASSIFICATION****B65C****LABELLING OR TAGGING MACHINES, APPARATUS, OR PROCESSES**

(nailing or stapling in general [B25C](#), [B27F](#); applying labels for packaging purposes [B65B](#); labels, name-plates [G09F](#)) ({ series-printing machines [B41L](#); containers for the storage or transport of packages [B65D](#)) }

NOTE

In this subclass, the following term is used with the meaning indicated:
- "labels" covers also decalcomanias, stamps or the like

B65C 1/00**Labelling flat essentially-rigid surfaces (labelling of fabrics [B65C 5/00](#))**

- B65C 1/02 . Affixing labels to one flat surface of articles, e.g. of packages, of flat bands
- B65C 1/021 .. { the label being applied by movement of the labelling head towards the article ([B65C 1/028](#) takes precedence) }
- B65C 1/023 ... { and being supplied from a stack (removing labels from stacks [B65C 9/12](#)) }
- B65C 1/025 .. { the label being picked up by the article to be labelled, i.e. the labelling head remaining stationary }
- B65C 1/026 ... { and the article being moved out of its normal conveyance path towards the labelling head ([B65C 1/028](#) takes precedence) }
- B65C 1/028 .. { the labelling head and the article both being moved towards each other }
- B65C 1/04 . Affixing labels, e.g. wrap-around labels, to two or more flat surfaces of a polyhedral article
- B65C 1/042 .. { using two or more applicators, e.g. cooperating rollers or brushes }
- B65C 1/045 ... { acting one after the other }
- B65C 1/047 .. { by rotating the article about one of its axes }

B65C 3/00**Labelling other than flat surfaces (of fabrics [B65C 5/00](#))**

- B65C 3/02 . Affixing labels to elongated objects, e.g. wires, cables, bars, tubes
- B65C 3/04 .. Applying bands or labels to cigars or cigarettes ({ bands for cigars or cigarettes [A24D 1/16](#) })
- B65C 3/06 . Affixing labels to short rigid containers
- B65C 3/065 .. { by placing tubular labels around the container (applying preformed tubular sheathings of plastics in general [B29C 63/18](#); applying protective covers to closures [B67B 5/03](#)) }
- B65C 3/08 .. to container bodies ({ [B65C 3/065](#) takes precedence })
- B65C 3/10 ... the container being positioned for labelling with its centre-line horizontal
- B65C 3/105 { the machine being hand- or foot driven }
- B65C 3/12 by rolling the labels onto cylindrical containers, e.g. bottles
- B65C 3/14 ... the container being positioned for labelling with its centre-line vertical

- B65C 3/145 { the machine being hand- or foot driven }
- B65C 3/16 by rolling the labels onto cylindrical containers, e.g. bottles
- B65C 3/163 { where the label is of the wrap-around type }
- B65C 3/166 { the label being shrunken after application }
- B65C 3/18 . . to container necks {([B65C 3/065](#) takes precedence)}
- B65C 3/20 . . to bottle closures (applying closures or capsules to bottles [B67B](#))
- B65C 3/22 . . . Affixing metal foil coverings
- B65C 3/24 . . . Affixing labels indicating original state of bottle snap or screw closure

- B65C 3/26 . Affixing labels to non-rigid containers, e.g. bottles made of polyethylene, boxes to be inflated by internal air pressure prior to labelling

- B65C 5/00** **Labelling fabrics or comparable materials or articles with deformable surface, e.g. paper, fabric rolls, stockings, shoes** (affixing labels to non-rigid containers [B65C 3/26](#); by sewing [D05B](#)) {(applying marks during shoe manufacture [A43D 95/14](#); marking textile materials by attaching tags [D06H 1/04](#))}

- B65C 5/02 . using adhesives
- B65C 5/04 . . thermo-activatable adhesives

- B65C 5/06 . using staples {(man-operated portable stapling tools [B25C 5/00](#); permanently attaching together sheets [B42B 4/00](#))}

- B65C 7/00** **Affixing tags** (in combination with filling of tea bags [B65B 29/04](#)) {(multi-step processes for making labels or tags [B31D 1/02](#))}

- B65C 7/001 . { using pins having at least one sharp pointed end }
- B65C 7/003 . { using paddle-shaped plastic pins (using plastic pins for affixing buttons to garments [A41H 37/008](#))}
- B65C 7/005 . . { Portable tools }
- B65C 7/006 . . . { electrically actuated }
- B65C 7/008 . . . { fluid-actuated }

- B65C 9/00** **Details of labelling machines or apparatus** {(attaching articles to carriers [B65B 15/00](#); cards of samples [G09F 5/04](#))}

- B65C 2009/0003 . Use of RFID labels

- B65C 9/0006 . { Removing backing sheets }
- B65C 2009/0009 . . by means of a peeling tip
- B65C 2009/0012 . . . the peeling tip having a variable radius

- B65C 9/0015 . { Preparing the labels or articles, e.g. smoothing, removing air bubbles }
- B65C 2009/0018 . . Preparing the labels
- B65C 2009/0021 . . . for temporary attachment to transfer means or to the article
- B65C 2009/0025 by electrostatical charge

- B65C 2009/0028 . . . for activating the glue
- B65C 2009/0031 by radiation
- B65C 2009/0034 IR
- B65C 2009/0037 UV
- B65C 2009/004 electron beam
- B65C 2009/0043 laser
- B65C 2009/0046 by hot air
- B65C 2009/005 . . . for reorienting the labels
- B65C 2009/0053 by rotation
- B65C 2009/0056 . . . removing overlapping labels from backing webs
- B65C 2009/0059 . . Preparing the articles

- B65C 9/0062 . { Interchangeable modules, e.g. applicator heads with label magazines and glue rollers }

- B65C 9/0065 . { Cutting tubular labels from a web }

- B65C 2009/0068 . Machines or apparatus used with gas bottles

- B65C 2009/0071 . Details of glueing devices
- B65C 2009/0075 . . Constructional details of glueing rollers
- B65C 2009/0078 . . Constructional details of doctor blades

- B65C 2009/0081 . Means for forming a label web buffer, e.g. label web loop

- B65C 2009/0084 . Means for reversing the transport of label or web for repositioning the next to be dispensed label, e.g. printing

- B65C 2009/0087 . Details of handling backing sheets
- B65C 2009/009 . . Devices for removing remaining labels from backing strips
- B65C 2009/0093 . . Devices switching between a peelable and a non peelable position
- B65C 2009/0096 . . Rotation of the backing sheet about its longitudinal axis by passing the backing sheet over a roller

- B65C 9/02 . Devices for moving articles, e.g. containers, past labelling station
- B65C 9/04 . . having means for rotating the articles
- B65C 9/045 . . . { adapted for accomodating articles of different diameters, e.g. for adapting the program of rotation to the diameter of the articles }

- B65C 9/06 . Devices for presenting articles in predetermined attitude or position at labelling station
- B65C 9/062 . . { for orienting bottles having swing stoppers, i.e. by means responsive to the position of the swing stoppers }
- B65C 9/065 . . { for orienting articles having irregularities in their shape, the irregularities being detected by mechanical means }
- B65C 9/067 . . { for orienting articles having irregularities, e.g. holes, spots or markings, e.g. labels or imprints, the irregularities or markings being detected }

- B65C 9/08 . Label feeding

B65C 9/10	..	Label magazines
B65C 9/105	...	{ Storage arrangements including a plurality of magazines }
B65C 9/12	..	Removing separate labels from stacks (for printing B41E ; separating articles from piles in general B65H) ({ multi-step processes for making labels or tags B31D 1/02 }; for printing B41E)
B65C 9/14	...	by vacuum
B65C 9/16	...	by wetting devices
B65C 9/18	..	Label feeding from strips, e.g. from rolls
B65C 9/1803	...	{ the labels being cut from a strip }
B65C 9/1807	....	{ and transferred directly from the cutting means to an article }
B65C 9/1811	.....	{ the transfer involving heating means }
B65C 9/1815	....	{ and transferred by suction means }
B65C 9/1819	.....	{ the suction means being a vacuum drum }
B65C 9/1823	.....	{ the transfer involving heating means, e.g. heat activated glue-coating of the label }
B65C 9/1826	.....	{ the suction means being a movable vacuum arm or pad }
B65C 9/183	....	{ and transferred by gripping means or feeding rollers }
B65C 2009/1834	....	Details of cutting means
B65C 2009/1838	.....	Cutting drum
B65C 2009/1842	.....	Temperature control
B65C 2009/1846	.....	Laser
B65C 2009/1849	.....	Fluid-jet
B65C 2009/1853	.....	Electrical resistance
B65C 2009/1857	.....	two co-acting knives
B65C 2009/1861	.....	whereby one knife remains stationary
B65C 9/1865	...	{ the labels adhering on a backing strip }
B65C 9/1869	....	{ and being transferred directly from the backing strip onto the article }
B65C 9/1873	.....	{ the transfer involving heating means, e.g. for decals }
B65C 9/1876	....	{ and being transferred by suction means }
B65C 9/188	.....	{ the suction means being a vacuum drum }
B65C 9/1884	.....	{ the suction means being a movable vacuum arm or pad }
B65C 2009/1888	....	Overlapping labels
B65C 9/1892	...	{ Spools or cassettes for strips (in general B65H 75/00) }
B65C 9/1896	...	{ the labels being torn or burst from a strip }
B65C 9/20	.	Gluing the labels or articles
B65C 9/22	..	by wetting, e.g. by applying liquid glue or a liquid to a dry glue coating
B65C 9/2204	...	{ using spraying means }
B65C 9/2208	....	{ Applying the liquid on the article }
B65C 9/2213	....	{ Applying the liquid on the label }
B65C 9/2217	.....	{ discretely, i.e. several points or strips or interrupted films }
B65C 9/2221	.....	{ continuously, i.e. an uninterrupted film }
B65C 9/2226	...	{ using manipulator arms }

- B65C 9/223 { Applying the liquid on the article }
- B65C 9/2234 { Applying the liquid on the label }
- B65C 9/2239 { discretely, i.e. several points or strips or interrupted films }
- B65C 9/2243 { continuously, i.e. an uninterrupted film }
- B65C 9/2247 . . . { using liquid rollers or bands }
- B65C 9/2252 { Applying the liquid on the article }
- B65C 9/2256 { Applying the liquid on the label }
- B65C 9/226 { discretely, i.e. several points or strips or interrupted films }
- B65C 9/2265 { continuously, i.e. an uninterrupted film }
- B65C 9/2269 { Means for controlling the liquid film on the rollers }
- B65C 9/2273 . . . { using wipers, pallets or segments ([B65C 9/2226](#) takes precedence) }
- B65C 9/2278 { Applying the liquid on the article }
- B65C 9/2282 { Applying the liquid on the label }
- B65C 9/2286 { discretely, i.e. several points or strips or interrupted films }
- B65C 9/2291 { continuously, i.e. an uninterrupted film }
- B65C 2009/2295 . . . Applying several tracks of glue or liquid
- B65C 9/24 . . by heat
- B65C 9/25 . . . by thermo-activating the glue

- B65C 9/26 . Devices for applying labels
- B65C 9/262 . . { manually operable }
- B65C 9/265 . . . { specially adapted for compact discs }
- B65C 2009/267 for non-circular shaped compact discs
- B65C 9/28 . . Air-blast devices
- B65C 9/30 . . Rollers
- B65C 9/32 . . . Cooperating rollers between which articles and labels are fed
- B65C 9/34 . . Flexible bands
- B65C 9/36 . . Wipers; Pressers

- B65C 9/38 . Label cooling or drying

- B65C 9/40 . Controls; Safety devices
- B65C 2009/401 . . for detecting the height of articles to be labelled
- B65C 2009/402 . . for detecting properties or defects of labels
- B65C 2009/404 . . . prior to labelling
- B65C 2009/405 reading information before printing and applying a label
- B65C 2009/407 . . . after labelling
- B65C 2009/408 . . reading information before printing and applying a label
- B65C 9/42 . . Label feed control
- B65C 9/44 . . . by special means responsive to marks on labels or articles ([feed control in wrapping B65B](#))

- B65C 9/46 . Applying date marks, code marks, or the like, to the label during labelling
([manually-controlled or operable apparatus having printing equipment B65C 11/02](#);
ticket printing and issuing [G07B 1/00](#)) ([apparatus for ticket validating or cancelling](#)

[G07B 11/00](#))}

B65C 11/00

Manually-controlled or manually-operable label dispensers, e.g. modified for the application of labels to articles (special furniture, fittings, or accessories for shops, storehouses, bars, or the like [A47E](#); for paper napkins, for toilet paper [A47K](#); for playing cards [A63F](#); movable-strip writing or reading apparatus [B42D 19/00](#); adhesive tape dispensers [B65H 35/07](#); dispensers for tickets [G07B](#); coin-operated dispensers for stamps [G07F](#)) {(dispensing devices for pamphlets from vehicles [G09F 21/22](#))}

- B65C 11/002 . { modified for the application of labels to articles }
- B65C 11/004 .. { label feeding from strips }
- B65C 11/006 . { using electrical or electro-mechanical means ([B65C 11/0289](#) and [B65C 11/066](#) take precedence) }
- B65C 11/008 . { using pneumatic means ([B65C 11/0294](#) and [B65C 11/068](#) take precedence) }
- B65C 11/02 . having printing equipment
- B65C 11/0205 .. { modified for the application of labels to articles }
- B65C 11/021 ... { label feeding from strips }
- B65C 11/0215 { Labels being adhered to a web }
- B65C 11/0221 { Advancing the web by friction }
- B65C 11/0226 { electrically driven }
- B65C 11/0231 { by actuating a handle manually }
- B65C 11/0236 { Advancing the web by a cog wheel }
- B65C 11/0242 { electrically driven }
- B65C 11/0247 { by actuating a handle manually }
- B65C 11/0252 { Advancing the web by grippers }
- B65C 11/0257 { electrically driven }
- B65C 11/0263 { by actuating a handle manually }
- B65C 11/0268 { Advancing the web by winding it up }
- B65C 11/0273 { electrically driven }
- B65C 11/0278 { by actuating a handle manually }
- B65C 11/0284 { Linerless labels }
- B65C 11/0289 .. { using electrical or electro-mechanical means ([B65C 11/0205](#) takes precedence) }
- B65C 11/0294 .. { using pneumatic means }
- B65C 11/04 . having means for moistening the labels
- B65C 11/043 .. { modified for the application of labels to articles }
- B65C 11/046 ... { label feeding from strips }
- B65C 11/06 . having means for heating thermo-activatable labels
- B65C 11/062 .. { modified for the application of labels to articles }
- B65C 11/064 ... { label feeding from strips }
- B65C 11/066 .. { using electrical or electro-mechanical means }

B65C 11/068 .. { using pneumatic means }

B65C 2201/00 Portable tools for labelling or tagging, associated with holders when in use

B65C 2210/00 Details of manually controlled or manually operable label dispensers

- B65C 2210/0002 . Data entry devices
- B65C 2210/0005 .. Readers
- B65C 2210/0008 ... Optical scanners
- B65C 2210/001 ... Electromagnetical scanners
- B65C 2210/0013 .. Keyboards; Touchscreens
- B65C 2210/0016 ... removable
- B65C 2210/0018 ... permanent
- B65C 2210/0021 .. Floppies; Smartcards
- B65C 2210/0024 .. Hosts
- B65C 2210/0027 ... permanent connection
- B65C 2210/0029 via cable
- B65C 2210/0032 via RF
- B65C 2210/0035 ... storing into memory
- B65C 2210/0037 . Printing equipment
- B65C 2210/004 .. using printing heads
- B65C 2210/0043 ... electrically actuated
- B65C 2210/0045 ... mechanically actuated, e.g. by a hand lever
- B65C 2210/0048 Means for controlling the force of the printing head
- B65C 2210/0051 ... Means for applying print to labels
- B65C 2210/0054 Ribbons
- B65C 2210/0056 Inking rollers
- B65C 2210/0059 ... using several printing heads
- B65C 2210/0062 ... using color printing heads
- B65C 2210/0064 .. using thermosensitive labels
- B65C 2210/0067 . accomodating labels of different sizes
- B65C 2210/007 . Cutting equipment
- B65C 2210/0072 . Specific details of different parts
- B65C 2210/0075 .. Applying rollers
- B65C 2210/0078 .. Peeling devices
- B65C 2210/0081 .. web brakes
- B65C 2210/0083 .. counters
- B65C 2210/0086 .. platens
- B65C 2210/0089 .. housings

- [B65C 2210/0091](#) . . correction label applying devices
- [B65C 2210/0094](#) . . Label sensing devices
- [B65C 2210/0097](#) . . Predetermining the label length