

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 electrostatic 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 B41F](#); [separating articles from piles in general B65H](#)) ({ multi-step processes for making labels or tags [B31D 1/02](#) }; [for printing B41F](#))
- 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