

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 shrunk 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 A47F](#); [for paper napkins, for toilet paper A47K](#); [for playing cards A63F](#); [movable-strip writing or reading apparatus B42D 19/00](#); [adhesive tape dispensers B65H 35/002](#); [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	.	accommodating 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