

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

Guidance heading:**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 }

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|----------------|---|
| 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 }

Guidance heading:

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

Guidance heading:

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

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|----------------|-----|-----------------------------------|
| 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 |