

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}

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| 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 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 } |

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| 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} |

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| 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 B65H35/07](#); [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)}

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| 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

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| 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 |

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| 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 |