

**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 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 [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 ( <a href="#">B65C 9/2226</a> 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