

**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 9/0006 . {Removing backing sheets }
- B65C 9/0015 . {Preparing the labels or articles, e.g. smoothing, removing air bubbles }
- 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 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 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 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 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 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 9/42	.. Label feed control
B65C 9/44	... by special means responsive to marks on labels or articles ( <a href="#">feed control in wrapping B65B</a> )
B65C 9/46	. Applying date marks, code marks, or the like, to the label during labelling (manually-controlled or operable apparatus having printing equipment <a href="#">B65C 11/02</a> ; ticket printing and issuing <a href="#">G07B 1/00</a> ) { (apparatus for ticket validating or cancelling <a href="#">G07B 11/00</a> ) }
<b>B65C 11/00</b>	<b>Manually-controlled or manually-operable label dispensers, e.g. modified for the application of labels to articles</b> (special furniture, fittings, or accessories for shops, storehouses, bars, or the like <a href="#">A47F</a> ; for paper napkins, for toilet paper <a href="#">A47K</a> ; for playing cards <a href="#">A63F</a> ; movable-strip writing or reading apparatus <a href="#">B42D 19/00</a> ; adhesive tape dispensers <a href="#">B65H 35/07</a> ; dispensers for tickets <a href="#">G07B</a> ; coin-operated dispensers for stamps <a href="#">G07F</a> ) { (dispensing devices for pamphlets from vehicles <a href="#">G09F 21/22</a> ) }

- 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 2009/00** **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 2009/0006 . {Removing backing sheets }

B65C 2009/0009	..	by means of a peeling tip
B65C 2009/0012	...	the peeling tip having a variable radius
B65C 2009/0015	.	{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 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 2009/08	.	Label feeding
B65C 2009/18	..	Label feeding from strips, e.g. from rolls
B65C 2009/1803	...	{the labels being cut from a strip }
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 2009/1865	...	{the labels adhering on a backing strip }
B65C 2009/1888	....	Overlapping labels
B65C 2009/20	.	Gluing the labels or articles
B65C 2009/22	..	by wetting, e.g. by applying liquid glue or a liquid to a dry glue coating
B65C 2009/2295	...	Applying several tracks of glue or liquid
B65C 2009/26	.	Devices for applying labels
B65C 2009/262	..	{manually operable }
B65C 2009/265	...	{specially adapted for compact discs }
B65C 2009/267	....	for non-circular shaped compact discs
B65C 2009/40	.	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 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