

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 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 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 ([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 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 ([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 35/07](#); 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 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 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 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