

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

1/00	Labelling flat essentially-rigid surfaces (labelling of fabrics B65C 5/00)	3/166	. . . . . {the label being shrunken after application}
1/02	. Affixing labels to one flat surface of articles, e.g. of packages, of flat bands	3/18	. . to container necks {(B65C 3/065 takes precedence)}
1/021	. . {the label being applied by movement of the labelling head towards the article (B65C 1/028 takes precedence)}	3/20	. . to bottle closures (applying closures or capsules to bottles B67B)
1/023	. . . {and being supplied from a stack (removing labels from stacks B65C 9/12)}	3/22	. . . Affixing metal foil coverings
1/025	. . {the label being picked up by the article to be labelled, i.e. the labelling head remaining stationary}	3/24	. . . Affixing labels indicating original state of bottle snap or screw closure
1/026	. . . {and the article being moved out of its normal conveyance path towards the labelling head (B65C 1/028 takes precedence)}	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
1/028	. . {the labelling head and the article both being moved towards each other}	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)
1/04	. Affixing labels, e.g. wrap-around labels, to two or more flat surfaces of a polyhedral article	5/02	. using adhesives
1/042	. . {using two or more applicators, e.g. cooperating rollers or brushes}	5/04	. . thermo-activatable adhesives
1/045	. . . {acting one after the other}	5/06	. using staples {(man-operated portable stapling tools B25C 5/00 ; permanently attaching together sheets B42B 4/00)}
1/047	. . {by rotating the article about one of its axes}	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)
3/00	Labelling other than flat surfaces (of fabrics B65C 5/00)	7/001	. {using pins having at least one sharp pointed end}
3/02	. Affixing labels to elongated objects, e.g. wires, cables, bars, tubes	7/003	. {using paddle-shaped plastic pins (using plastic pins for affixing buttons to garments A41H 37/008)}
3/04	. . Applying bands or labels to cigars or cigarettes {(bands for cigars or cigarettes A24D 1/16)}	7/005	. . {Portable tools}
3/06	. Affixing labels to short rigid containers	7/006	. . . {electrically actuated}
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)}	7/008	. . . {fluid-actuated}
3/08	. . to container bodies {(B65C 3/065 takes precedence)}	9/00	Details of labelling machines or apparatus {(attaching articles to carriers B65B 15/00 ; cards of samples G09F 5/04)}
3/10	. . . the container being positioned for labelling with its centre-line horizontal	2009/0003	. {Use of RFID labels}
3/105	. . . . {the machine being hand- or foot driven}	9/0006	. {Removing backing sheets}
3/12	. . . . by rolling the labels onto cylindrical containers, e.g. bottles	2009/0009	. . {by means of a peeling tip}
3/14	. . . the container being positioned for labelling with its centre-line vertical	2009/0012	. . . {the peeling tip having a variable radius}
3/145	. . . . {the machine being hand- or foot driven}	9/0015	. {Preparing the labels or articles, e.g. smoothing, removing air bubbles}
3/16	. . . . by rolling the labels onto cylindrical containers, e.g. bottles	2009/0018	. . {Preparing the labels}
3/163	. . . . . {where the label is of the wrap-around type}	2009/0021	. . . {for temporary attachment to transfer means or to the article}
		2009/0025	. . . . {by electrostatic charge}
		2009/0028	. . . {for activating the glue}
		2009/0031	. . . . {by radiation}

2009/0034	. . . . . {IR}	9/1819	. . . . . {the suction means being a vacuum drum}
2009/0037	. . . . . {UV}	9/1823	. . . . . {the transfer involving heating means, e.g. heat activated glue-coating of the label}
2009/004	. . . . . {electron beam}	9/1826	. . . . . {the suction means being a movable vacuum arm or pad}
2009/0043	. . . . . {laser}	9/183	. . . . . {and transferred by gripping means or feeding rollers}
2009/0046	. . . . . {by hot air}	2009/1834	. . . . . {Details of cutting means}
2009/005	. . . {for reorienting the labels}	2009/1838	. . . . . {Cutting drum}
2009/0053	. . . . . {by rotation}	2009/1842	. . . . . {Temperature control}
2009/0056	. . . {removing overlapping labels from backing webs}	2009/1846	. . . . . {Laser}
2009/0059	. . {Preparing the articles}	2009/1849	. . . . . {Fluid-jet}
9/0062	. {Interchangeable modules, e.g. applicator heads with label magazines and glue rollers}	2009/1853	. . . . . {Electrical resistance}
9/0065	. {Cutting tubular labels from a web}	2009/1857	. . . . . {two co-acting knives}
2009/0068	. {Machines or apparatus used with gas bottles}	2009/1861	. . . . . {whereby one knife remains stationary}
2009/0071	. {Details of glueing devices}	9/1865	. . . {the labels adhering on a backing strip}
2009/0075	. . {Constructional details of glueing rollers}	9/1869	. . . . {and being transferred directly from the backing strip onto the article}
2009/0078	. . {Constructional details of doctor blades}	9/1873	. . . . . {the transfer involving heating means, e.g. for decals}
2009/0081	. {Means for forming a label web buffer, e.g. label web loop}	9/1876	. . . . . {and being transferred by suction means}
2009/0084	. {Means for reversing the transport of label or web for repositioning the next to be dispensed label, e.g. printing}	9/188	. . . . . {the suction means being a vacuum drum}
2009/0087	. {Details of handling backing sheets}	9/1884	. . . . . {the suction means being a movable vacuum arm or pad}
2009/009	. . {Devices for removing remaining labels from backing strips}	2009/1888	. . . . . {Overlapping labels}
2009/0093	. . {Devices switching between a peelable and a non peelable position}	9/1892	. . . {Spools or cassettes for strips (in general B65H 75/00)}
2009/0096	. . {Rotation of the backing sheet about its longitudinal axis by passing the backing sheet over a roller}	9/1896	. . . {the labels being torn or burst from a strip}
9/02	. Devices for moving articles, e.g. containers, past labelling station	9/20	. Gluing the labels or articles
9/04	. . having means for rotating the articles	9/22	. . by wetting, e.g. by applying liquid glue or a liquid to a dry glue coating
9/045	. . . {adapted for accomodating articles of different diameters, e.g. for adapting the program of rotation to the diameter of the articles}	9/2204	. . . {using spraying means}
9/06	. Devices for presenting articles in predetermined attitude or position at labelling station	9/2208	. . . . {Applying the liquid on the article}
9/062	. . {for orienting bottles having swing stoppers, i.e. by means responsive to the position of the swing stoppers}	9/2213	. . . . {Applying the liquid on the label}
9/065	. . {for orienting articles having irregularities in their shape, the irregularities being detected by mechanical means}	9/2217	. . . . . {discretely, i.e. several points or strips or interrupted films}
9/067	. . {for orienting articles having irregularities, e.g. holes, spots or markings, e.g. labels or imprints, the irregularities or markings being detected}	9/2221	. . . . . {continuously, i.e. an uninterrupted film}
9/08	. Label feeding	9/2226	. . . {using manipulator arms}
9/10	. . Label magazines	9/223	. . . . {Applying the liquid on the article}
9/105	. . . {Storage arrangements including a plurality of magazines}	9/2234	. . . . {Applying the liquid on the label}
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)	9/2239	. . . . . {discretely, i.e. several points or strips or interrupted films}
9/14	. . . by vacuum	9/2243	. . . . . {continuously, i.e. an uninterrupted film}
9/16	. . . by wetting devices	9/2247	. . . {using liquid rollers or bands}
9/18	. . Label feeding from strips, e.g. from rolls	9/2252	. . . . {Applying the liquid on the article}
9/1803	. . . {the labels being cut from a strip}	9/2256	. . . . {Applying the liquid on the label}
9/1807	. . . . {and transferred directly from the cutting means to an article}	9/226	. . . . . {discretely, i.e. several points or strips or interrupted films}
9/1811	. . . . . {the transfer involving heating means}	9/2265	. . . . . {continuously, i.e. an uninterrupted film}
9/1815	. . . . . {and transferred by suction means}	9/2269	. . . . {Means for controlling the liquid film on the rollers}
		9/2273	. . . {using wipers, pallets or segments (B65C 9/2226 takes precedence)}
		9/2278	. . . . {Applying the liquid on the article}
		9/2282	. . . . {Applying the liquid on the label}
		9/2286	. . . . . {discretely, i.e. several points or strips or interrupted films}
		9/2291	. . . . . {continuously, i.e. an uninterrupted film}
		2009/2295	. . . {Applying several tracks of glue or liquid}
		9/24	. . by heat
		9/25	. . . by thermo-activating the glue
		9/26	. Devices for applying labels

9/262	. . {manually operable}	11/0289	. . {using electrical or electro-mechanical means (B65C 11/0205 takes precedence)}
9/265	. . . {specially adapted for compact discs}	11/0294	. . {using pneumatic means}
2009/267	. . . . {for non-circular shaped compact discs}	11/04	. having means for moistening the labels
9/28	. . Air-blast devices	11/043	. . {modified for the application of labels to articles}
9/30	. . Rollers	11/046	. . . {label feeding from strips}
9/32	. . . Cooperating rollers between which articles and labels are fed	11/06	. having means for heating thermo-activatable labels
9/34	. . Flexible bands	11/062	. . {modified for the application of labels to articles}
9/36	. . Wipers; Pressers	11/064	. . . {label feeding from strips}
9/38	. Label cooling or drying	11/066	. . {using electrical or electro-mechanical means}
9/40	. Controls; Safety devices	11/068	. . {using pneumatic means}
2009/401	. . {for detecting the height of articles to be labelled}	2201/00	Portable tools for labelling or tagging, associated with holders when in use
2009/402	. . {for detecting properties or defects of labels}	2210/00	Details of manually controlled or manually operable label dispensers
2009/404	. . . {prior to labelling}	2210/0002	. Data entry devices
2009/405	. . . . {reading information before printing and applying a label}	2210/0005	. . Readers
2009/407	. . . {after labelling}	2210/0008	. . . Optical scanners
2009/408	. . {reading information before printing and applying a label}	2210/001	. . . Electromagnetical scanners
9/42	. . Label feed control	2210/0013	. . Keyboards; Touchscreens
9/44	. . . by special means responsive to marks on labels or articles (feed control in wrapping B65B)	2210/0016	. . . removable
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})	2210/0018	. . . permanent
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 35/002; dispensers for tickets G07B; coin- operated dispensers for stamps G07F {; dispensing devices for pamphlets from vehicles G09F 21/22}}	2210/0021	. . Floppies; Smartcards
11/002	. {modified for the application of labels to articles}	2210/0024	. . Hosts
11/004	. . {label feeding from strips}	2210/0027	. . . permanent connection
11/006	. {using electrical or electro-mechanical means (B65C 11/0289 and B65C 11/066 take precedence)}	2210/0029	. . . . via cable
11/008	. {using pneumatic means (B65C 11/0294 and B65C 11/068 take precedence)}	2210/0032	. . . . via RF
11/02	. having printing equipment	2210/0035	. . . storing into memory
11/0205	. . {modified for the application of labels to articles}	2210/0037	. Printing equipment
11/021	. . . {label feeding from strips}	2210/004	. . using printing heads
11/0215	. . . . {Labels being adhered to a web}	2210/0043	. . . electrically actuated
11/0221	. . . . . {Advancing the web by friction}	2210/0045	. . . mechanically actuated, e.g. by a hand lever
11/0226	. . . . . {electrically driven}	2210/0048	. . . . Means for controlling the force of the printing head
11/0231	. . . . . {by actuating a handle manually}	2210/0051	. . . Means for applying print to labels
11/0236	. . . . . {Advancing the web by a cog wheel}	2210/0054	. . . . Ribbons
11/0242	. . . . . {electrically driven}	2210/0056	. . . . Inking rollers
11/0247	. . . . . {by actuating a handle manually}	2210/0059	. . . using several printing heads
11/0252	. . . . . {Advancing the web by grippers}	2210/0062	. . . using color printing heads
11/0257	. . . . . {electrically driven}	2210/0064	. . using thermosensitive labels
11/0263	. . . . . {by actuating a handle manually}	2210/0067	. accomodating labels of different sizes
11/0268	. . . . . {Advancing the web by winding it up}	2210/007	. Cutting equipment
11/0273	. . . . . {electrically driven}	2210/0072	. Specific details of different parts
11/0278	. . . . . {by actuating a handle manually}	2210/0075	. . Applying rollers
11/0284	. . . . {Linerless labels}	2210/0078	. . Peeling devices
		2210/0081	. . web brakes
		2210/0083	. . counters
		2210/0086	. . platens
		2210/0089	. . housings
		2210/0091	. . correction label applying devices
		2210/0094	. . Label sensing devices
		2210/0097	. . Predetermining the label length