

# 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

<b>1/00</b>	<b>Labelling flat essentially-rigid surfaces</b> (labelling of fabrics <a href="#">B65C 5/00</a> )	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 {( <a href="#">B65C 3/065</a> takes precedence)}
1/021	. . {the label being applied by movement of the labelling head towards the article ( <a href="#">B65C 1/028</a> takes precedence)}	3/20	. . to bottle closures (applying closures or capsules to bottles <a href="#">B67B</a> )
1/023	. . . {and being supplied from a stack (removing labels from stacks <a href="#">B65C 9/12</a> )}	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 ( <a href="#">B65C 1/028</a> 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}	<b>5/00</b>	<b>Labelling fabrics or comparable materials or articles with deformable surface, e.g. paper, fabric rolls, stockings, shoes</b> (affixing labels to non-rigid containers <a href="#">B65C 3/26</a> ; by sewing <a href="#">D05B</a> ; applying marks during shoe manufacture <a href="#">A43D 95/14</a> ; marking textile materials by attaching tags <a href="#">D06H 1/04</a> )
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 <a href="#">B25C 5/00</a> ; permanently attaching together sheets <a href="#">B42B 4/00</a> )}
1/047	. . {by rotating the article about one of its axes}	<b>7/00</b>	<b>Affixing tags</b> (in combination with filling of tea bags <a href="#">B65B 29/04</a> ; multi-step processes for making labels or tags <a href="#">B31D 1/02</a> )
<b>3/00</b>	<b>Labelling other than flat surfaces</b> (of fabrics <a href="#">B65C 5/00</a> )	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 <a href="#">A41H 37/008</a> )}
3/04	. . Applying bands or labels to cigars or cigarettes {(bands for cigars or cigarettes <a href="#">A24D 1/16</a> )}	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 <a href="#">B29C 63/18</a> ; applying protective covers to closures <a href="#">B67B 5/03</a> )}	7/008	. . . {fluid-actuated}
3/08	. . to container bodies {( <a href="#">B65C 3/065</a> takes precedence)}	<b>9/00</b>	<b>Details of labelling machines or apparatus</b> {(attaching articles to carriers <a href="#">B65B 15/00</a> ; cards of samples <a href="#">G09F 5/04</a> )}
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}
- 2009/0037 . . . . . {UV}
- 2009/004 . . . . . {electron beam}
- 2009/0043 . . . . . {laser}
- 2009/0046 . . . . . {by hot air}
- 2009/005 . . . {for reorienting the labels}
- 2009/0053 . . . . {by rotation}
- 2009/0056 . . . {removing overlapping labels from backing webs}
- 2009/0059 . . {Preparing the articles}
- 9/0062 . {Interchangeable modules, e.g. applicator heads with label magazines and glue rollers}
- 9/0065 . {Cutting tubular labels from a web}
- 2009/0068 . {Machines or apparatus used with gas bottles}
- 2009/0071 . {Details of glueing devices}
- 2009/0075 . . {Constructional details of glueing rollers}
- 2009/0078 . . {Constructional details of doctor blades}
- 2009/0081 . {Means for forming a label web buffer, e.g. label web loop}
- 2009/0084 . {Means for reversing the transport of label or web for repositioning the next to be dispensed label, e.g. printing}
- 2009/0087 . {Details of handling backing sheets}
- 2009/009 . . {Devices for removing remaining labels from backing strips}
- 2009/0093 . . {Devices switching between a peelable and a non peelable position}
- 2009/0096 . . {Rotation of the backing sheet about its longitudinal axis by passing the backing sheet over a roller}
- 9/02 . Devices for moving articles, e.g. containers, past labelling station
- 9/04 . . having means for rotating the articles
- 9/045 . . . {adapted for accomodating articles of different diameters, e.g. for adapting the program of rotation to the diameter of the articles}
- 9/06 . Devices for presenting articles in predetermined attitude or position at labelling station
- 9/062 . . {for orienting bottles having swing stoppers, i.e. by means responsive to the position of the swing stoppers}
- 9/065 . . {for orienting articles having irregularities in their shape, the irregularities being detected by mechanical means}
- 9/067 . . {for orienting articles having irregularities, e.g. holes, spots or markings, e.g. labels or imprints, the irregularities or markings being detected}
- 9/08 . Label feeding
- 9/10 . . Label magazines
- 9/105 . . . {Storage arrangements including a plurality of magazines}
- 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](#))
- 9/14 . . . by vacuum
- 9/16 . . . by wetting devices
- 9/18 . . Label feeding from strips, e.g. from rolls
- 9/1803 . . . {the labels being cut from a strip}
- 9/1807 . . . . {and transferred directly from the cutting means to an article}
- 9/1811 . . . . . {the transfer involving heating means}
- 9/1815 . . . . . {and transferred by suction means}
- 9/1819 . . . . . {the suction means being a vacuum drum}
- 9/1823 . . . . . {the transfer involving heating means, e.g. heat activated glue-coating of the label}
- 9/1826 . . . . . {the suction means being a movable vacuum arm or pad}
- 9/183 . . . . . {and transferred by gripping means or feeding rollers}
- 2009/1834 . . . . . {Details of cutting means}
- 2009/1838 . . . . . {Cutting drum}
- 2009/1842 . . . . . {Temperature control}
- 2009/1846 . . . . . {Laser}
- 2009/1849 . . . . . {Fluid-jet}
- 2009/1853 . . . . . {Electrical resistance}
- 2009/1857 . . . . . {two co-acting knives}
- 2009/1861 . . . . . {whereby one knife remains stationary}
- 9/1865 . . . {the labels adhering on a backing strip}
- 9/1869 . . . . {and being transferred directly from the backing strip onto the article}
- 9/1873 . . . . . {the transfer involving heating means, e.g. for decals}
- 9/1876 . . . . . {and being transferred by suction means}
- 9/188 . . . . . {the suction means being a vacuum drum}
- 9/1884 . . . . . {the suction means being a movable vacuum arm or pad}
- 2009/1888 . . . . . {Overlapping labels}
- 9/1892 . . . {Spools or cassettes for strips ([in general B65H 75/00](#))}
- 9/1896 . . . {the labels being torn or burst from a strip}
- 9/20 . Gluing the labels or articles
- 9/22 . . by wetting, e.g. by applying liquid glue or a liquid to a dry glue coating
- 9/2204 . . . {using spraying means}
- 9/2208 . . . . {Applying the liquid on the article}
- 9/2213 . . . . {Applying the liquid on the label}
- 9/2217 . . . . . {discretely, i.e. several points or strips or interrupted films}
- 9/2221 . . . . . {continuously, i.e. an uninterrupted film}
- 9/2226 . . . {using manipulator arms}
- 9/223 . . . . {Applying the liquid on the article}
- 9/2234 . . . . {Applying the liquid on the label}
- 9/2239 . . . . . {discretely, i.e. several points or strips or interrupted films}
- 9/2243 . . . . . {continuously, i.e. an uninterrupted film}
- 9/2247 . . . {using liquid rollers or bands}
- 9/2252 . . . . {Applying the liquid on the article}
- 9/2256 . . . . {Applying the liquid on the label}
- 9/226 . . . . . {discretely, i.e. several points or strips or interrupted films}
- 9/2265 . . . . . {continuously, i.e. an uninterrupted film}
- 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 ( <a href="#">B65C 11/0205</a> 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}	<b>2201/00</b>	<b>Portable tools for labelling or tagging, associated with holders when in use</b>
2009/402	. . {for detecting properties or defects of labels}	<b>2210/00</b>	<b>Details of manually controlled or manually operable label dispensers</b>
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 ( <a href="#">feed control in wrapping B65B</a> )	2210/0016	. . . removable
9/46	. Applying date marks, code marks, or the like, to the label during labelling ( <a href="#">manually-controlled or operable apparatus having printing equipment B65C 11/02</a> ; <a href="#">ticket printing and issuing G07B 1/00</a> ; <a href="#">apparatus for ticket validating or cancelling G07B 11/00</a> )	2210/0018	. . . permanent
<b>11/00</b>	<b>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 <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 35/002</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>)</b>	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 ( <a href="#">B65C 11/0289</a> and <a href="#">B65C 11/066</a> take precedence)}	2210/0029	. . . . via cable
11/008	. {using pneumatic means ( <a href="#">B65C 11/0294</a> and <a href="#">B65C 11/068</a> 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