

| Symbol           | Typ                 | Titel                                                                                                                                                                                                                                                                                                                                                            |
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| <b>B</b>         | <b>Sektion</b>      | <b>PERFORMING OPERATIONS; TRANSPORTING</b>                                                                                                                                                                                                                                                                                                                       |
| <b>B41</b>       | <b>Untersektion</b> | <b>PRINTING</b>                                                                                                                                                                                                                                                                                                                                                  |
| <b>B41</b>       | <b>Klasse</b>       | <b>PRINTING; LINING MACHINES; TYPEWRITERS; STAMPS (reproduction or duplication of pictures or patterns by scanning and converting into electrical signals H04N) [4]</b>                                                                                                                                                                                          |
| <b>B41L</b>      | <b>Unterklasse</b>  | <b>APPARATUS OR DEVICES FOR MANIFOLDING, DUPLICATING, OR PRINTING FOR OFFICE OR OTHER COMMERCIAL PURPOSES; ADDRESSING MACHINES OR LIKE SERIES-PRINTING MACHINES (printing presses or machines for industrial purposes B41F; stamps, stamping or numbering devices B41K)</b><br><b><u>Manifolding by means of pressure-sensitive layers or intermediaries</u></b> |
| <b>B41L 1/00</b> | <b>Hauptgruppe</b>  | <b>Devices for performing operations in connection with manifolding by means of pressure-sensitive layers or intermediaries, e.g. carbons; Accessories for manifolding purposes</b>                                                                                                                                                                              |
| B41L 1/02        | 1-Punkt Untergruppe | . Devices for preparatory operations, e.g. for bringing together sheets or webs and interposed carbons; Devices combined with devices for printing, for coating with carbon, for folding                                                                                                                                                                         |
| B41L 1/04        | 1-Punkt Untergruppe | . Devices for performing operations subsequent to manifolding, e.g. for separating single sheets or webs from single form sets, continuous manifold assemblies from carbons                                                                                                                                                                                      |
| B41L 1/06        | 2-Punkt Untergruppe | . . on single form sets                                                                                                                                                                                                                                                                                                                                          |
| B41L 1/08        | 2-Punkt Untergruppe | . . on continuous manifold assemblies                                                                                                                                                                                                                                                                                                                            |
| B41L 1/10        | 3-Punkt Untergruppe | . . . Separate folding or disposition of single webs                                                                                                                                                                                                                                                                                                             |
| B41L 1/12        | 3-Punkt Untergruppe | . . . Severing webs to obtain single sheets or forms, e.g. by cutting, by bursting                                                                                                                                                                                                                                                                               |
| B41L 1/14        | 3-Punkt Untergruppe | . . . Severing edge perforations from webs                                                                                                                                                                                                                                                                                                                       |
| B41L 1/16        | 1-Punkt Untergruppe | . Carriers or supply devices for pressure-sensitive material, e.g. for carbon sheets; Carbon gloves                                                                                                                                                                                                                                                              |
| B41L 1/18        | 2-Punkt Untergruppe | . . for carbon webs; Continuous carbon-supply mechanisms                                                                                                                                                                                                                                                                                                         |
| B41L 1/20        | 1-Punkt Untergruppe | . Manifolding assemblies, e.g. book-like assemblies                                                                                                                                                                                                                                                                                                              |
| B41L 1/22        | 2-Punkt Untergruppe | . . made up of single sheets or forms                                                                                                                                                                                                                                                                                                                            |
| B41L 1/24        | 3-Punkt Untergruppe | . . . Pads or books                                                                                                                                                                                                                                                                                                                                              |
| B41L 1/26        | 2-Punkt Untergruppe | . . Continuous assemblies made up of webs                                                                                                                                                                                                                                                                                                                        |
| B41L 1/28        | 3-Punkt Untergruppe | . . . in rolled or wound form                                                                                                                                                                                                                                                                                                                                    |
| B41L 1/30        | 3-Punkt Untergruppe | . . . folded longitudinally                                                                                                                                                                                                                                                                                                                                      |
| B41L 1/32        | 3-Punkt Untergruppe | . . . folded transversely                                                                                                                                                                                                                                                                                                                                        |
| B41L 1/34        | 2-Punkt Untergruppe | . . for making masters for hectographic duplicators                                                                                                                                                                                                                                                                                                              |
| B41L 1/36        | 2-Punkt Untergruppe | . . with pressure-sensitive layers or coating other than carbon (sheet materials B41M 5/00)                                                                                                                                                                                                                                                                      |
| <b>B41L 3/00</b> | <b>Hauptgruppe</b>  | <b>Platens or like sheet supports for manifolding using pressure-sensitive layers or intermediaries, e.g. for book-keeping purposes</b>                                                                                                                                                                                                                          |
| B41L 3/02        | 1-Punkt Untergruppe | . with stationary clamping means for holding the manifolding assembly in registered position, e.g. resilient clamps for holding non-perforated sheets                                                                                                                                                                                                            |
| B41L 3/04        | 2-Punkt Untergruppe | . . Bars provided with pins engaging perforations in the elements                                                                                                                                                                                                                                                                                                |
| B41L 3/06        | 1-Punkt Untergruppe | . with movable clamping or guiding means for the elements of the manifolding assembly                                                                                                                                                                                                                                                                            |

| Symbol            | Typ                 | Titel                                                                                                                                                                                                                 |
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| B41L 3/08         | 1-Punkt Untergruppe | . with non-mechanical means for holding the elements in registered position, e.g. magnetic means                                                                                                                      |
| B41L 3/10         | 1-Punkt Untergruppe | . with means for moving assembled elements step by step relative to platen or support, e.g. for column or line selection; Means for locating assembled elements when stationary                                       |
| B41L 3/12         | 1-Punkt Untergruppe | . Auxiliary devices                                                                                                                                                                                                   |
| B41L 3/14         | 2-Punkt Untergruppe | . . Magazines or storage compartments, e.g. for slips                                                                                                                                                                 |
| B41L 3/16         | 2-Punkt Untergruppe | . . Web-feeding arrangements                                                                                                                                                                                          |
| B41L 3/18         | 2-Punkt Untergruppe | . . Displaceable covers, e.g. with windows                                                                                                                                                                            |
| B41L 3/20         | 2-Punkt Untergruppe | . . for facilitating manifolding in books                                                                                                                                                                             |
| B41L 3/22         | 2-Punkt Untergruppe | . . Applications of ink ribbons; Holding, feeding, or guiding means therefor                                                                                                                                          |
| <b>B41L 5/00</b>  | <b>Hauptgruppe</b>  | <b>Autographic registers or like manifolding apparatus using movable strips or webs (movable-strip writing or reading apparatus B42D 19/00)</b>                                                                       |
| B41L 5/02         | 1-Punkt Untergruppe | . with means for limiting movements of webs fed by hand                                                                                                                                                               |
| B41L 5/04         | 1-Punkt Untergruppe | . with mechanisms for feeding webs or for arranging web feed; with web-storage arrangements                                                                                                                           |
| B41L 5/06         | 2-Punkt Untergruppe | . . by means of rollers, wheels, or chains                                                                                                                                                                            |
| B41L 5/08         | 2-Punkt Untergruppe | . . by reciprocating mechanisms                                                                                                                                                                                       |
| B41L 5/10         | 1-Punkt Untergruppe | . with mechanisms for feeding the pressure-sensitive web or webs separately from the other webs, e.g. transversely                                                                                                    |
| B41L 5/12         | 1-Punkt Untergruppe | . with means for indicating exhaustion of web supply                                                                                                                                                                  |
| B41L 5/14         | 1-Punkt Untergruppe | . with auxiliary means for printing, perforating, or severing the web                                                                                                                                                 |
| B41L 5/16         | 1-Punkt Untergruppe | . Accessories, e.g. drawers for storing forms, for money (cash registers G07G)                                                                                                                                        |
| <b>B41L 7/00</b>  | <b>Hauptgruppe</b>  | <b><u>Apparatus or machines for duplicating or printing for office or other commercial purposes</u><br/>Apparatus for directly duplicating from hectographic originals, i.e. for obtaining copies in mirror image</b> |
| B41L 7/02         | 1-Punkt Untergruppe | . by passing original and copy-sheet or -web between rollers                                                                                                                                                          |
| B41L 7/04         | 2-Punkt Untergruppe | . . with means for guiding original or copy-sheet or -web                                                                                                                                                             |
| B41L 7/06         | 2-Punkt Untergruppe | . . with means for severing copy-sheet or -web                                                                                                                                                                        |
| B41L 7/08         | 2-Punkt Untergruppe | . . with means for moistening or drying                                                                                                                                                                               |
| <b>B41L 9/00</b>  | <b>Hauptgruppe</b>  | <b>Apparatus for indirectly duplicating from hectographic originals by means of hectographic intermediaries or transfer surfaces, i.e. "dry duplicators"</b>                                                          |
| B41L 9/02         | 1-Punkt Untergruppe | . Containers for clay or gelatin                                                                                                                                                                                      |
| B41L 9/04         | 1-Punkt Untergruppe | . with flat supports over which gelatin-paper is stretched                                                                                                                                                            |
| B41L 9/06         | 2-Punkt Untergruppe | . . and with carriages for feeding the sheets                                                                                                                                                                         |
| B41L 9/08         | 2-Punkt Untergruppe | . . and with devices for rolling-in and securing hectographic gelatin-paper webs                                                                                                                                      |
| B41L 9/10         | 1-Punkt Untergruppe | . with rotary cylinders carrying sheets of hectographic gelatin-paper                                                                                                                                                 |
| <b>B41L 11/00</b> | <b>Hauptgruppe</b>  | <b>Apparatus for directly duplicating from hectographic masters in mirror image, i.e. "wet duplicators" for producing positive copies</b>                                                                             |
| B41L 11/02        | 1-Punkt Untergruppe | . with a flat support carrying the masters                                                                                                                                                                            |

| Symbol            | Typ                 | Titel                                                                                                                                                                     |
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| B41L 11/04        | 2-Punkt Untergruppe | . . and with carriages for feeding the sheets                                                                                                                             |
| B41L 11/06        | 2-Punkt Untergruppe | . . for stack duplicating with pressure rollers                                                                                                                           |
| B41L 11/08        | 1-Punkt Untergruppe | . with rotary cylinders carrying the masters                                                                                                                              |
| B41L 11/10        | 1-Punkt Untergruppe | . with two rollers between which master is stretched                                                                                                                      |
| B41L 11/12        | 1-Punkt Untergruppe | . Driving gear; Control thereof                                                                                                                                           |
| B41L 11/14        | 1-Punkt Untergruppe | . Constructional features of masters (chemical aspects B41M)                                                                                                              |
| <b>B41L 13/00</b> | <b>Hauptgruppe</b>  | <b>Stencilling apparatus for office or other commercial use (screen printing B41F 15/00; stencils, stencil materials, carriers therefor B41N 1/24)</b>                    |
| B41L 13/02        | 1-Punkt Untergruppe | . with flat stencil carriers                                                                                                                                              |
| B41L 13/04        | 1-Punkt Untergruppe | . with curved or rotary stencil carriers                                                                                                                                  |
| B41L 13/06        | 2-Punkt Untergruppe | . . with a single cylinder carrying the stencil                                                                                                                           |
| B41L 13/08        | 2-Punkt Untergruppe | . . with stencil carried by two or more cylinders, e.g. through the intermediary of endless bands                                                                         |
| B41L 13/10        | 3-Punkt Untergruppe | . . . Clips or clamps for securing stencils to stencil carriers                                                                                                           |
| B41L 13/12        | 1-Punkt Untergruppe | . for special purposes, e.g. for reproducing Braille characters                                                                                                           |
| B41L 13/14        | 1-Punkt Untergruppe | . Attachments, e.g. for punching, cutting, severing                                                                                                                       |
| B41L 13/16        | 1-Punkt Untergruppe | . Driving gear; Control thereof                                                                                                                                           |
| B41L 13/18        | 1-Punkt Untergruppe | . Inking units [3]                                                                                                                                                        |
| <b>B41L 15/00</b> | <b>Hauptgruppe</b>  | <b>Letterpress printing apparatus specially adapted for office or other commercial purposes (in general B41F; printing plates or foils, materials therefor B41N 1/00)</b> |
| B41L 15/02        | 1-Punkt Untergruppe | . with flat printing surfaces, e.g. with flat type-beds, surfaces made of thin sheet material or moulded from plastics or rubber                                          |
| B41L 15/04        | 2-Punkt Untergruppe | . . of composed type locked in chases                                                                                                                                     |
| B41L 15/06        | 1-Punkt Untergruppe | . with curved printing surfaces, e.g. cylinders                                                                                                                           |
| B41L 15/08        | 2-Punkt Untergruppe | . . with stereotypes                                                                                                                                                      |
| B41L 15/10        | 1-Punkt Untergruppe | . for multicolour printing; for perfecting                                                                                                                                |
| B41L 15/12        | 1-Punkt Untergruppe | . Driving gear; Control thereof                                                                                                                                           |
| B41L 15/14        | 1-Punkt Untergruppe | . Attachments, e.g. for punching, cutting, severing                                                                                                                       |
| <b>B41L 17/00</b> | <b>Hauptgruppe</b>  | <b>Lithographic printing apparatus for office or other commercial purposes (in general B41F; printing plates or foils, materials therefor B41N 1/00)</b>                  |
| B41L 17/02        | 1-Punkt Untergruppe | . for direct impression printing                                                                                                                                          |
| B41L 17/04        | 2-Punkt Untergruppe | . . with flat printing surfaces                                                                                                                                           |
| B41L 17/06        | 2-Punkt Untergruppe | . . with curved printing surfaces, e.g. cylinders                                                                                                                         |
| B41L 17/08        | 1-Punkt Untergruppe | . for offset printing                                                                                                                                                     |
| B41L 17/10        | 2-Punkt Untergruppe | . . with flat printing surfaces, e.g. co-operating with travelling offset cylinders                                                                                       |
| B41L 17/12        | 2-Punkt Untergruppe | . . with curved printing surfaces, e.g. forme cylinders                                                                                                                   |

| Symbol            | Typ                 | Titel                                                                                                                                                                                                                                                                                                              |
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| B41L 17/14        | 1-Punkt Untergruppe | . of two-cylinder type, e.g. co-operating forme and impression cylinders                                                                                                                                                                                                                                           |
| B41L 17/16        | 1-Punkt Untergruppe | . of three-cylinder type                                                                                                                                                                                                                                                                                           |
| B41L 17/18        | 1-Punkt Untergruppe | . for multicolour printing, e.g. tandem machines; for perfecting                                                                                                                                                                                                                                                   |
| B41L 17/20        | 1-Punkt Untergruppe | . without damping means, e.g. using heat-activatable inks, refrigerated printing surfaces                                                                                                                                                                                                                          |
| B41L 17/22        | 1-Punkt Untergruppe | . Driving gear; Control thereof                                                                                                                                                                                                                                                                                    |
| B41L 17/24        | 1-Punkt Untergruppe | . Attachments, e.g. for punching, cutting, severing                                                                                                                                                                                                                                                                |
| <b>B41L 19/00</b> | <b>Hauptgruppe</b>  | <b>Duplicating or printing apparatus or machines for office or other commercial purposes, of special types or for particular purposes and not otherwise provided for (addressing machines B41L 45/00)</b>                                                                                                          |
| B41L 19/02        | 1-Punkt Untergruppe | . having forme cylinders carrying a plurality of printing surfaces, or for performing letterpress and lithographic processes selectively or in combination (in general B41F 11/00)                                                                                                                                 |
| B41L 19/04        | 1-Punkt Untergruppe | . for printing from selected parts of one or more printing surfaces in one cycle, e.g. line printing (by inking selected areas B41L 27/20)                                                                                                                                                                         |
| B41L 19/06        | 2-Punkt Untergruppe | . . with co-operating forme and impression cylinders                                                                                                                                                                                                                                                               |
| B41L 19/08        | 3-Punkt Untergruppe | . . . by effecting relative movement of forme and impression cylinders during printing cycle                                                                                                                                                                                                                       |
| B41L 19/10        | 3-Punkt Untergruppe | . . . by projecting and retracting parts of the surfaces of the forme cylinders                                                                                                                                                                                                                                    |
| B41L 19/12        | 3-Punkt Untergruppe | . . . by masking parts of the printing surfaces on the forme cylinders                                                                                                                                                                                                                                             |
| B41L 19/14        | 3-Punkt Untergruppe | . . . by selective damping of the copy material                                                                                                                                                                                                                                                                    |
| B41L 19/16        | 3-Punkt Untergruppe | . . . by selective tripping of impression cylinders                                                                                                                                                                                                                                                                |
|                   |                     | <b><u>Common details of, or accessories for, apparatus or machines for manifolding, duplicating, or printing for office or other commercial purposes</u></b>                                                                                                                                                       |
| <b>B41L 21/00</b> | <b>Hauptgruppe</b>  | <b>Devices for conveying sheets or webs of copy material through apparatus or machines for manifolding, duplicating, or printing (mechanisms for conveying copy material through addressing machines or like series-printing machines B41L 47/24)</b>                                                              |
| B41L 21/02        | 1-Punkt Untergruppe | . for conveying sheets                                                                                                                                                                                                                                                                                             |
| B41L 21/04        | 2-Punkt Untergruppe | . . Pins                                                                                                                                                                                                                                                                                                           |
| B41L 21/06        | 2-Punkt Untergruppe | . . Grippers                                                                                                                                                                                                                                                                                                       |
| B41L 21/08        | 3-Punkt Untergruppe | . . . Suction-operated grippers                                                                                                                                                                                                                                                                                    |
| B41L 21/10        | 2-Punkt Untergruppe | . . Combinations of endless conveyers and grippers                                                                                                                                                                                                                                                                 |
| B41L 21/12        | 1-Punkt Untergruppe | . for conveying webs                                                                                                                                                                                                                                                                                               |
| <b>B41L 23/00</b> | <b>Hauptgruppe</b>  | <b>Devices for treating the surface of sheets, webs, or other articles in connection with printing ( cleaning in general B08B , of metals C23G; as a final step in the manufacture of such articles, see the relevant places, e.g. B29C 71/00 , D21H 23/00 or D21H 25/00; after-treatment of prints B41M 7/00)</b> |
| B41L 23/02        | 1-Punkt Untergruppe | . by damping, e.g. by moistening copy-sheets in connection with hectographic printing                                                                                                                                                                                                                              |
| B41L 23/04        | 2-Punkt Untergruppe | . . using friction rollers                                                                                                                                                                                                                                                                                         |
| B41L 23/06        | 2-Punkt Untergruppe | . . using brushes                                                                                                                                                                                                                                                                                                  |
| B41L 23/08        | 2-Punkt Untergruppe | . . using spray elements                                                                                                                                                                                                                                                                                           |
| B41L 23/10        | 2-Punkt Untergruppe | . . using endless bands                                                                                                                                                                                                                                                                                            |

| Symbol            | Typ                 | Titel                                                                                                                                                                                             |
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| B41L 23/12        | 2-Punkt Untergruppe | . . using absorbent pads                                                                                                                                                                          |
| B41L 23/14        | 2-Punkt Untergruppe | . . Ducts, containers, or like supply devices for liquids                                                                                                                                         |
| B41L 23/16        | 2-Punkt Untergruppe | . . Devices for tripping or lifting damping rollers; Supporting, adjusting, or removing arrangements therefor                                                                                     |
| B41L 23/18        | 2-Punkt Untergruppe | . . Construction of damping rollers                                                                                                                                                               |
| B41L 23/20        | 1-Punkt Untergruppe | . by heat drying, by cooling, by applying powders                                                                                                                                                 |
| B41L 23/22        | 2-Punkt Untergruppe | . . Powdering devices, e.g. for preventing set-off                                                                                                                                                |
| B41L 23/24        | 1-Punkt Untergruppe | . Print-finishing devices, e.g. for glossing prints                                                                                                                                               |
| <b>B41L 25/00</b> | <b>Hauptgruppe</b>  | <b>Devices for damping printing surfaces, e.g. moistening printing surfaces in connection with lithographic printing (applying liquids or other fluent materials to surfaces, in general B05)</b> |
| B41L 25/02        | 1-Punkt Untergruppe | . using friction rollers                                                                                                                                                                          |
| B41L 25/04        | 1-Punkt Untergruppe | . using brushes                                                                                                                                                                                   |
| B41L 25/06        | 1-Punkt Untergruppe | . using spraying elements                                                                                                                                                                         |
| B41L 25/08        | 1-Punkt Untergruppe | . using endless bands                                                                                                                                                                             |
| B41L 25/10        | 1-Punkt Untergruppe | . using absorbent pads                                                                                                                                                                            |
| B41L 25/12        | 1-Punkt Untergruppe | . Ducts, containers, or like supply devices for liquids                                                                                                                                           |
| B41L 25/14        | 1-Punkt Untergruppe | . Inking rollers serving also to apply ink repellent                                                                                                                                              |
| B41L 25/16        | 1-Punkt Untergruppe | . Devices for tripping or lifting damping rollers; Supporting, adjusting, or removing arrangements therefor                                                                                       |
| B41L 25/18        | 1-Punkt Untergruppe | . Construction of damping rollers                                                                                                                                                                 |
| <b>B41L 27/00</b> | <b>Hauptgruppe</b>  | <b>Inking arrangements or devices (inking units for stencilling apparatus B41L 13/18; applying liquids or other fluent materials to surfaces, in general B05) [3]</b>                             |
| B41L 27/02        | 1-Punkt Untergruppe | . adapted for inking by hand                                                                                                                                                                      |
| B41L 27/04        | 1-Punkt Untergruppe | . Ducts, containers, supply devices or ink-level control devices (level control in general G05D 9/00) [3]                                                                                         |
| B41L 27/06        | 2-Punkt Untergruppe | . . Duct-blades or like supply devices                                                                                                                                                            |
| B41L 27/08        | 2-Punkt Untergruppe | . . Troughs or like reservoirs with immersed, or partly immersed, rollers                                                                                                                         |
| B41L 27/10        | 2-Punkt Untergruppe | . . with ink-ejection means, e.g. pumps, nozzles                                                                                                                                                  |
| B41L 27/12        | 2-Punkt Untergruppe | . . Feed or duct rollers (messenger or moving transfer rollers B41L 27/16)                                                                                                                        |
| B41L 27/14        | 3-Punkt Untergruppe | . . . adjustable for regulating supply                                                                                                                                                            |
| B41L 27/16        | 2-Punkt Untergruppe | . . Messenger or other moving transfer rollers                                                                                                                                                    |
| B41L 27/18        | 1-Punkt Untergruppe | . Continuous, e.g. endless-band, apparatus                                                                                                                                                        |
| B41L 27/20        | 1-Punkt Untergruppe | . for inking selected parts of printing formes                                                                                                                                                    |
| B41L 27/22        | 1-Punkt Untergruppe | . Ink-removing or collecting devices                                                                                                                                                              |
| B41L 27/24        | 1-Punkt Untergruppe | . for inking from interior of cylinder                                                                                                                                                            |
| B41L 27/26        | 1-Punkt Untergruppe | . Absorbent pads                                                                                                                                                                                  |
| B41L 27/28        | 1-Punkt Untergruppe | . Construction of inking rollers                                                                                                                                                                  |

| Symbol            | Typ                 | Titel                                                                                                                        |
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| B41L 27/30        | 1-Punkt Untergruppe | . Spray apparatus, e.g. containing brushes                                                                                   |
| B41L 27/32        | 1-Punkt Untergruppe | . Arrangements for tripping, lifting, adjusting, or removing inking rollers; Supports, bearings, or forks therefor           |
| B41L 27/34        | 2-Punkt Untergruppe | . . Lifting or adjusting devices                                                                                             |
| B41L 27/36        | 3-Punkt Untergruppe | . . . Cams, eccentrics, wedges, or the like devices                                                                          |
| B41L 27/38        | 3-Punkt Untergruppe | . . . fluid-pressure operated                                                                                                |
| B41L 27/40        | 3-Punkt Untergruppe | . . . magnetically operated                                                                                                  |
| <b>B41L 29/00</b> | <b>Hauptgruppe</b>  | <b>Devices for attaching printing elements or formes to supports</b>                                                         |
| B41L 29/02        | 1-Punkt Untergruppe | . magnetic                                                                                                                   |
| B41L 29/04        | 1-Punkt Untergruppe | . for attaching printing elements to flat type-beds                                                                          |
| B41L 29/06        | 1-Punkt Untergruppe | . for attaching printing elements to forme cylinders                                                                         |
| B41L 29/08        | 1-Punkt Untergruppe | . for attaching printing formes to flat type-beds                                                                            |
| B41L 29/10        | 1-Punkt Untergruppe | . for attaching non-deformable curved printing formes to forme cylinders                                                     |
| B41L 29/12        | 1-Punkt Untergruppe | . for attaching flexible printing formes                                                                                     |
| B41L 29/14        | 2-Punkt Untergruppe | . . Clamping devices                                                                                                         |
| B41L 29/16        | 3-Punkt Untergruppe | . . . operating automatically during operation of rotary machines to attach the printing formes to the forme cylinders       |
| B41L 29/18        | 4-Punkt Untergruppe | . . . . electromagnetic, pneumatic, or hydraulic                                                                             |
| B41L 29/20        | 3-Punkt Untergruppe | . . . for adjusting position of leading edges of flexible printing formes circumferentially of forme cylinders               |
| B41L 29/22        | 1-Punkt Untergruppe | . for attaching printing formes to intermediate supports, e.g. adapter members                                               |
| <b>B41L 31/00</b> | <b>Hauptgruppe</b>  | <b>Devices for removing flexible printing formes from forme cylinders</b>                                                    |
| <b>B41L 33/00</b> | <b>Hauptgruppe</b>  | <b>Pressing flexible printing formes or sheets or webs of copy material against cylinders, e.g. for smoothing purposes</b>   |
| <b>B41L 35/00</b> | <b>Hauptgruppe</b>  | <b>Cylinders for apparatus or machines for manifolding, duplicating, or printing for office or other commercial purposes</b> |
| B41L 35/02        | 1-Punkt Untergruppe | . Forme cylinders                                                                                                            |
| B41L 35/04        | 2-Punkt Untergruppe | . . Registering devices                                                                                                      |
| B41L 35/06        | 3-Punkt Untergruppe | . . . with means for displacing the cylinders                                                                                |
| B41L 35/08        | 3-Punkt Untergruppe | . . . with means for displacing the printing formes on the cylinders                                                         |
| B41L 35/10        | 1-Punkt Untergruppe | . Impression cylinders                                                                                                       |
| B41L 35/12        | 1-Punkt Untergruppe | . Bearings or supports for forme, offset or transfer, or impression cylinders                                                |
| B41L 35/14        | 1-Punkt Untergruppe | . Means for heating or cooling forme or impression cylinders                                                                 |
| B41L 35/16        | 1-Punkt Untergruppe | . Cylinder-tripping devices; Cylinder-impression adjustments                                                                 |
| B41L 35/18        | 2-Punkt Untergruppe | . . Arrangements or dispositions of cylinder bearings, forks, or supports                                                    |
| B41L 35/20        | 3-Punkt Untergruppe | . . . Eccentric bearings                                                                                                     |
| B41L 35/22        | 3-Punkt Untergruppe | . . . Sliding bearings                                                                                                       |

| Symbol                                                             | Typ                 | Titel                                                                                                                                                                                           |
|--------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B41L 35/24                                                         | 3-Punkt Untergruppe | . . . Swinging bearings                                                                                                                                                                         |
| B41L 35/26                                                         | 2-Punkt Untergruppe | . . Cylinder-lifting or adjusting devices                                                                                                                                                       |
| B41L 35/28                                                         | 3-Punkt Untergruppe | . . . Cams, eccentrics, wedges, or the like                                                                                                                                                     |
| B41L 35/30                                                         | 3-Punkt Untergruppe | . . . electrically or magnetically operated                                                                                                                                                     |
| B41L 35/32                                                         | 3-Punkt Untergruppe | . . . fluid-pressure operated                                                                                                                                                                   |
| B41L 35/34                                                         | 1-Punkt Untergruppe | . Guards or covers, e.g. for safety purposes, for preventing egress or ingress of foreign matter                                                                                                |
| <b>B41L 38/00</b>                                                  | <b>Hauptgruppe</b>  | <b>Devices for attaching coverings or make-ready devices; Guiding devices for coverings (make-ready devices B41N 6/00; blankets or like coverings B41N 10/00) [5]</b>                           |
| B41L 38/02                                                         | 1-Punkt Untergruppe | . attaching to impression cylinders [5]                                                                                                                                                         |
| B41L 38/04                                                         | 1-Punkt Untergruppe | . attaching of endless or like continuously-fed coverings [5]                                                                                                                                   |
| <b>B41L 39/00</b>                                                  | <b>Hauptgruppe</b>  | <b>Indicating, counting, warning, control or safety devices (ink-level control devices B41L 27/04; such devices in general, see the relevant subclasses, e.g. counting in general G06M) [3]</b> |
| B41L 39/02                                                         | 1-Punkt Untergruppe | . Indicating devices, e.g. counters                                                                                                                                                             |
| B41L 39/04                                                         | 1-Punkt Untergruppe | . Tripping devices or stop-motions                                                                                                                                                              |
| B41L 39/06                                                         | 2-Punkt Untergruppe | . . for starting or stopping operation of sheet or web feed                                                                                                                                     |
| B41L 39/08                                                         | 2-Punkt Untergruppe | . . for starting or stopping operation of cylinders                                                                                                                                             |
| B41L 39/10                                                         | 2-Punkt Untergruppe | . . for starting or stopping operation of damping or inking units                                                                                                                               |
| B41L 39/12                                                         | 2-Punkt Untergruppe | . . for starting or stopping the machines as a whole                                                                                                                                            |
| B41L 39/14                                                         | 2-Punkt Untergruppe | . . Automatic control of tripping devices by feelers, photoelectric devices, pneumatic devices, or other detectors                                                                              |
| B41L 39/16                                                         | 1-Punkt Untergruppe | . Programming systems for automatic control of sequence of operations                                                                                                                           |
| <b>B41L 41/00</b>                                                  | <b>Hauptgruppe</b>  | <b>Cleaning arrangements or devices</b>                                                                                                                                                         |
| B41L 41/02                                                         | 1-Punkt Untergruppe | . for forme cylinders                                                                                                                                                                           |
| B41L 41/04                                                         | 1-Punkt Untergruppe | . for inking rollers                                                                                                                                                                            |
| B41L 41/06                                                         | 1-Punkt Untergruppe | . for offset cylinders                                                                                                                                                                          |
| <b>B41L 43/00</b>                                                  | <b>Hauptgruppe</b>  | <b>Auxiliary folding, collecting, or depositing of sheets or webs</b>                                                                                                                           |
| B41L 43/02                                                         | 1-Punkt Untergruppe | . Folding                                                                                                                                                                                       |
| B41L 43/04                                                         | 2-Punkt Untergruppe | . . lengthwise                                                                                                                                                                                  |
| B41L 43/06                                                         | 2-Punkt Untergruppe | . . crosswise                                                                                                                                                                                   |
| B41L 43/08                                                         | 2-Punkt Untergruppe | . . Folding-cylinders or -drums                                                                                                                                                                 |
| B41L 43/10                                                         | 1-Punkt Untergruppe | . Collecting                                                                                                                                                                                    |
| B41L 43/12                                                         | 2-Punkt Untergruppe | . . and stapling                                                                                                                                                                                |
| B41L 43/14                                                         | 1-Punkt Untergruppe | . Adding inserts                                                                                                                                                                                |
| B41L 43/16                                                         | 1-Punkt Untergruppe | . Depositing                                                                                                                                                                                    |
| <b><u>Addressing machines or like series-printing machines</u></b> |                     |                                                                                                                                                                                                 |

| Symbol            | Typ                 | Titel                                                                                                                                 |
|-------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>B41L 45/00</b> | <b>Hauptgruppe</b>  | <b>Kinds or types of addressing machines or of like series-printing machines</b>                                                      |
| B41L 45/02        | 1-Punkt Untergruppe | . using printing plates                                                                                                               |
| B41L 45/04        | 2-Punkt Untergruppe | . . composed on type-setting machines                                                                                                 |
| B41L 45/06        | 2-Punkt Untergruppe | . . for addressing combined with other operations, e.g. franking, collating documents                                                 |
| B41L 45/08        | 1-Punkt Untergruppe | . with printing surfaces in the form of belts, or carried by chains                                                                   |
| B41L 45/10        | 2-Punkt Untergruppe | . . for addressing combined with other operations, e.g. franking, collating documents                                                 |
| B41L 45/12        | 1-Punkt Untergruppe | . with separate devices for printing additional texts or images, e.g. for printing receipts on blank sheets or webs                   |
| <b>B41L 47/00</b> | <b>Hauptgruppe</b>  | <b>Details of addressing machines or like series-printing machines (common details of printing machines B41F 21/00 to B41F 35/00)</b> |
| B41L 47/02        | 1-Punkt Untergruppe | . Applications of printing surfaces in addressing machines or like series-printing machines (printing surfaces in general B41N)       |
| B41L 47/04        | 2-Punkt Untergruppe | . . of flat or curved plates for relief printing                                                                                      |
| B41L 47/06        | 2-Punkt Untergruppe | . . of flat or curved stencils                                                                                                        |
| B41L 47/08        | 2-Punkt Untergruppe | . . of flat or curved plates for hectographic printing                                                                                |
| B41L 47/10        | 2-Punkt Untergruppe | . . of printing surfaces in the form of belts or chains                                                                               |
| B41L 47/12        | 1-Punkt Untergruppe | . Auxiliary devices, e.g. for flattening plates, for assembling plates in predetermined order, for wetting stencils                   |
| B41L 47/14        | 1-Punkt Untergruppe | . Devices or arrangements for storing or handling plates                                                                              |
| B41L 47/16        | 2-Punkt Untergruppe | . . Magazines                                                                                                                         |
| B41L 47/18        | 2-Punkt Untergruppe | . . Devices for feeding the plates in their plane                                                                                     |
| B41L 47/20        | 2-Punkt Untergruppe | . . Devices for feeding the plates otherwise than in their plane, e.g. transversely thereto                                           |
| B41L 47/22        | 2-Punkt Untergruppe | . . with means for presenting plates for repeated printing operations                                                                 |
| B41L 47/24        | 1-Punkt Untergruppe | . Mechanisms for conveying copy material through addressing machines or like series-printing machines (in general B65H)               |
| B41L 47/26        | 2-Punkt Untergruppe | . . for conveying or positioning single sheet-like articles, e.g. envelopes                                                           |
| B41L 47/28        | 2-Punkt Untergruppe | . . with gauging-rulers or the like, e.g. for facilitating hand-printing of copy material fed from stacks                             |
| B41L 47/30        | 2-Punkt Untergruppe | . . for conveying webs                                                                                                                |
| B41L 47/32        | 3-Punkt Untergruppe | . . . combined with devices for other purposes, e.g. for cutting, severing, gluing                                                    |
| B41L 47/34        | 3-Punkt Untergruppe | . . . specially adapted for conveying chains of forms                                                                                 |
| B41L 47/36        | 2-Punkt Untergruppe | . . for conveying sheets or webs for tabulating purposes; Tabulating mechanisms combined with sheet or web conveyers                  |
| B41L 47/38        | 3-Punkt Untergruppe | . . . with clamping means for head or margin                                                                                          |
| B41L 47/40        | 3-Punkt Untergruppe | . . . with means for automatically reciprocating sheet or web transversely to enable addresses to be printed in columns side by side  |
| B41L 47/42        | 1-Punkt Untergruppe | . Printing mechanisms                                                                                                                 |
| B41L 47/44        | 2-Punkt Untergruppe | . . using flat platens                                                                                                                |

| Symbol            | Typ                 | Titel                                                                                                                                                                                                                                        |
|-------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B41L 47/46        | 2-Punkt Untergruppe | . . using line-contact members, e.g. rollers, cylinders                                                                                                                                                                                      |
| B41L 47/48        | 2-Punkt Untergruppe | . . with inking or ink-ribbon devices                                                                                                                                                                                                        |
| B41L 47/50        | 2-Punkt Untergruppe | . . using multiple impression-members or -surfaces, e.g. for printing series of addresses with standing context, for printing from selected parts of printing surfaces (applications of counting, numbering, or dating apparatus B41L 49/02) |
| B41L 47/52        | 2-Punkt Untergruppe | . . with movable counter-pressure plates for printing from selected areas of printing surfaces                                                                                                                                               |
| B41L 47/54        | 2-Punkt Untergruppe | . . with means for automatically reciprocating printing plate transversely to enable addresses to be printed in columns side by side                                                                                                         |
| B41L 47/56        | 1-Punkt Untergruppe | . Indicating, warning, control or safety devices (B41L 47/58 takes precedence)                                                                                                                                                               |
| B41L 47/58        | 1-Punkt Untergruppe | . Arrangements or devices for selecting, or for facilitating selection of, text or image to be printed                                                                                                                                       |
| B41L 47/60        | 2-Punkt Untergruppe | . . Markings applied to printing plates, e.g. code marks, colours, clips, perforations, edge notches, projections                                                                                                                            |
| B41L 47/62        | 2-Punkt Untergruppe | . . Selecting devices, e.g. cams, windows, position indicators                                                                                                                                                                               |
| B41L 47/64        | 3-Punkt Untergruppe | . . . Automatic selecting devices with or without overriding manual control, e.g. with scanning-fingers, with presetting controls operable by push-buttons, with programme control by punched tapes                                          |
| <b>B41L 49/00</b> | <b>Hauptgruppe</b>  | <b>Accessories or attachments for addressing machines or like series-printing machines</b>                                                                                                                                                   |
| B41L 49/02        | 1-Punkt Untergruppe | . Counting, numbering, or dating devices                                                                                                                                                                                                     |
| B41L 49/04        | 1-Punkt Untergruppe | . Devices for applying selection markings to printing plates                                                                                                                                                                                 |