

B41L

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](#))

Definition statement

This place covers:

Manifolding devices, which comprise assembled sheets or webs and interposed pressure-sensitive layers or intermediaries usually in the form of carbon sheets or layers;

carbons and other pressure-sensitive layers or coatings specifically adapted for manifolding;

apparatus or machines for duplicating or printing, which always use a static original in the form of a sheet for duplicating thereof or a static printing form, usually a printing plate, carrying a graphical and/or alphanumerical text or picture forming the duplicating or printing image;

printing or duplicating, always encompassing the use of ink or colour;

printing apparatus or machines exclusively for special uses like office printing or commercial purposes. These special uses encompass in general an almost low number, e.g. up to hundred, of copies or printed sheets;

addressing or like series-printing machines as an example of specific commercial purpose.

Feeding or handling of substrates to be duplicated or printed is covered from the in-feed device through the whole machine down to the delivery device.

Auxiliary folding, collecting or depositing of sheets or webs specifically adapted for said specific apparatus of the present subclass (cf. [B41L 43/00](#)).

References

Limiting references

This place does not cover:

Sheet materials used for printing purposes	B41M 5/00
--	---------------------------

Informative references

Attention is drawn to the following places, which may be of interest for search:

Spraying or atomizing of liquids/fluids or particles in general	B05B
Apparatus for applying liquids/fluids in general	B05C
Processes for applying liquids/fluids in general	B05D
Cleaning in general	B08B
Cutting, perforating, punching, stamping-out in general	B26
Presses in general	B30B
Printing letters or types per se	B41B 1/02
Manufacture or reproduction of printing surfaces	B41C
Apparatus for mechanical reproduction of printing surfaces	B41D 3/00
Shaping elastic or deformable material to printing surfaces	B41D 7/00

Screen printing machines or presses	B41F 15/00
Apparatus for bronze or line printing, bordering or edging of sheets	B41G 1/00 - B41G 5/00
Auxiliary perforating in conjunction with printing	B41G 7/00
Selective printing mechanisms which have single types or characters or selectively activated printing elements, e.g. ink jet or thermal print heads, for consecutively printing character by character and line by line; typewriters; correction of typographical errors	B41J
Printing, duplicating, marking or copying processes	B41M
Printing forms as such, e.g. printing plates, stencils	B41N 1/00
Preparing for use and conserving printing surfaces in general	B41N 3/00
Layers, shells, covers, surfaces specifically adapted for use in printing machines or presses in general	B41N 6/00 - B41N 11/00
Permanently attaching together sheets, quires or signatures	B42B
Bookbinding	B42C
Books, book covers, printed matter of special format or style not otherwise provided for	B42D
Sheets temporarily attached together, filing appliances	B42F
Implements for writing or drawing in general, e.g. pens	B43K
Articles for writing or drawing upon in general	B43L
Bureau accessories not otherwise provided for, opening or closing of envelopes, inserting documents in envelopes	B43M
Machines, apparatus or tools for sculpturing, carving, engraving, guilloching in general	B44B 1/00 , B44B 3/00
Machines or apparatus for embossing in general	B44B 5/00
Machines, apparatus or tools for branding in general	B44B 7/00
Machines or apparatus for inlaying in general	B44B 9/00
Producing decorative effects, mosaics, paperhanging	B44C 1/00 - B44C 7/00
Applying transfer pictures or the like	B44C 1/16
Painting or artistic drawing	B44D
Special designs or patterns	B44F
Label dispensers having printing equipment	B65C
Feeding or handling thin material, e.g. sheets or webs, in general	B65H 1/00 - B65H 47/00
Coating compositions: inks, paints, varnishes, lacquers, pastes or solids for printing	C09D
Adhesives	C09J
Paper making, production of cellulose	D21
Measuring, testing in general	G01
Electrography, electrophotography, magnetography in general	G03G
Controlling, regulating in general	G05B
Electric digital data processing	G06F
Ticket printing, franking apparatus in general	G07B
Displaying, advertising, signs, labels	G09F

Scanning, transmission or reproduction of documents	H04N 1/00
---	---------------------------

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Manifolding	always encompasses use of pressure-sensitive layers or intermediaries, e.g. carbon
Hectograph or gelatine duplicator	transfer of a sheet-like original prepared with special inks including special aniline dyes onto an open pan containing gelatine, afterwards, paper copies are made by pressing a paper containing substrate against the inked and images gelatine surface
Printing or duplicating	after applying ink or colour onto the surface of the original or of the printing form, the inked image is applied by contact pressure onto the surface of a substrate, most common in the form of paper, which will form the copy of printed matter,
Print image or printing image	a coloured design having any shape, for e.g. alphanumerical characters
Offset print or offset printing	Using an intermediate element, most commonly a blanket cylinder, for transfer in one step of the whole inked print image on the printing element, most commonly a printing plate, onto the surface of the substrate to be printed upon
Stencil	sheet like printing plate having cut outs defining by their openings the print or printing image

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

- "offset" and "lithographic"

B41L 1/00

Devices for performing operations in connection with manifolding by means of pressure-sensitive layers or intermediaries, e.g. carbons; Accessories for manifolding purposes

Definition statement

This place covers:

Devices for manifolding, e.g. assemblies in the form of pads or books of single sheets or in the form of continuous assemblies of webs,

devices for supplying pressure-sensitive material including carbon gloves,

devices for performing preparatory operations and

devices for performing operations subsequent to manifolding,

technology mostly used until the year 2000.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Sheet materials used in connection with printing or duplicating in general	B41M 5/00
--	---------------------------

B41L 3/00

Platens or like sheet supports for manifolding using pressure-sensitive layers or intermediaries, e.g. for book-keeping purposes

Definition statement

This place covers:

Manually operable devices like flat supports, clamps or guides for moving into and holding in registered position with respect to each other of blank paper or blank forms, e.g. business forms, pressure sensitive layers or intermediaries, e.g. carbons, and duplicates.

Also auxiliary devices specifically adapted for use with said platens or supports, technology mostly used until the year 2000.

B41L 5/00

Autographic registers or like manifolding apparatus using movable strips or webs (movable strip writing or reading apparatus [B42D 19/00](#))

Definition statement

This place covers:

Portable box-like devices having a writing underlay almost in form of a flat plate for filling out forms, e.g. business forms, by handwriting, and a storage compartment for storing blank paper or blank forms, e.g. business forms, together with pressure sensitive layers or intermediaries, e.g. carbons, and/or for storing duplicates.

Also auxiliary devices specifically adapted for use with said registers, technology mostly used until the year 2000.

B41L 7/00

Apparatus for directly duplicating from hectographic originals, i.e. for obtaining copies in mirror image

Definition statement

This place covers:

Apparatus for duplicating on sheets or webs,

clay or gelatine is used,

technology mostly used until the year 2000.

B41L 9/00

Apparatus for indirectly duplicating from hectographic originals by means of hectographic intermediaries or transfer surfaces, i.e. "dry duplicators"

Definition statement

This place covers:

Flat supports or rotary cylinders carrying hectographic gelatine paper sheets of webs, clay or gelatine is used, technology mostly used until the year 2000.

B41L 11/00

Apparatus for directly duplicating from hectographic masters in mirror image, i.e. "wet duplicators" for producing positive copies

Definition statement

This place covers:

Flat supports or cylinders or two cooperating rollers for carrying the master sheet, clay or gelatine is used, technology mostly used until the year 2000.

B41L 13/00

Stencilling apparatus for office or other commercial use (screen printing [B41F 15/00](#); stencils, stencil materials, carriers therefor [B41N 1/24](#))

Definition statement

This place covers:

Printing apparatus or machines, as a whole as well as parts thereof, using a stencil as the image forming element,

a stencil which is usually a flexible sheet having one or a plurality of cutouts defining the print image; said stencil sheet usually having a plurality of layers often including an adhesive layer in order to fix the stencil onto a carrier as part of a printing apparatus,

printing apparatus, which either dispose of a flat stencil carrier or of a curved or rotary stencil carrier,

main special parts of the stencilling apparatus, like inking units, drive means, drive gears and control means, specifically adapted for use in said apparatus,

auxiliary devices, like means for punching, cutting or severing, specifically adapted for stencilling machines.

References**Limiting references**

This place does not cover:

Screen or silk-screen printing apparatus	B41F 15/00
--	----------------------------

Informative references

Attention is drawn to the following places, which may be of interest for search:

Feeding or handling of sheet or web-like substrates to be printed upon in stencil printing machines	B41L 21/00
Feeding or handling of sheet or web-like substrates in to be printed upon in printing machines in general	B41F 21/00 , B41F 13/02
Processes for stencil printing	B41M 1/12
Stencils used as writing or drawing aids	B43L 13/20 , B43L 13/00
Artistic painting or drawing using at least one stencil	B44D 2/00
Kits having at least one stencil for painting or drawing	B44D 2/00
Feeding or handling thin material, i.e. sheets or webs in general	B65H 1/00 - B65H 47/00

B41L 15/00

Letterpress printing apparatus specially adapted for office or other commercial purposes (in general [B41F](#); printing plates or foils, materials thereof or [B41N 1/00](#))

Definition statement

This place covers:

Small scale printing apparatus suitable for office use,

usual output of a low number, e.g. less than hundred, of printed subject matter.

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Flat type-bed letterpress machines in general	B41F 1/00 , B41F 3/00
Rotary letterpress machines in general	B41F 5/00

B41L 17/00

Lithographic printing apparatus for office or other commercial purposes (in general [B41F](#); printing plates or foils, materials therefor [B41N 1/00](#))

Definition statement

This place covers:

Small scale printing apparatus suitable for office use,

usual output of a low number, e.g. less than hundred, of printed subject matter.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Flat type-bed lithographic machines in general	B41F 1/18 , B41F 3/30 - B41F 3/34
Rotary lithographic printing machines in general	B41F 7/00

B41L 19/00

Duplicating or printing apparatus or machines for office or other commercial purposes, of special types or for particular purposes and not otherwise provided for (addressographs [B41L 45/00](#))

Definition statement

This place covers:

Small scale printing apparatus suitable for office use,

usual output of a low number, e.g. less than hundred, of printed subject matter.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Printing apparatus of special types or for particular purposes in the industries, not otherwise provided for in general	B41F 17/00
---	----------------------------

B41L 21/00

Devices for conveying sheets or webs of copy material through the apparatus or machines for manifolding, duplicating, or printing (mechanisms for conveying copy material through addressographs or like series-printing machines [B41L 47/24](#); {feeding sheets or webs to or from printing apparatus or machines [B65H](#); in printing presses in general [B41F 21/00](#)})

Definition statement

This place covers:

Devices specifically adapted for small scale printing apparatus suitable for office use,

usual output of a low number, e.g. less than hundred, of printed subject matter.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Conveying devices for webs in printing presses in general	B41F 13/02
Conveying devices for sheets in printing machines in general	B41F 21/00

B41L 23/00

Devices for treating the surfaces of sheets, webs, or other articles in connection with printing (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](#))

Definition statement

This place covers:

Devices specifically adapted for small scale printing apparatus suitable for office use, usual output of a low number, e.g. less than hundred, of printed subject matter.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for treating the surfaces of substrates to be printed upon in connection with printing in general	B41F 23/00
---	----------------------------

B41L 25/00

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](#))

Definition statement

This place covers:

Devices specifically adapted for small scale printing apparatus suitable for office use.

Usual output of a low number e.g. less than hundred, of printed subject matter.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for damping printing surfaces e.g. with lithographic printing in general	B41F 7/24 - B41F 7/40
--	---

B41L 27/00

Inking arrangements or devices (inking units for stencilling apparatus [B41L 13/18](#); applying liquids or other fluent materials to surfaces, in general [B05](#))

Definition statement

This place covers:

Devices specifically adapted for small scale printing apparatus suitable for office use,

usual output of a low number, e.g. Less than hundred, of printed subject matter.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Inking arrangements or devices in printing presses in general	B41F 31/00
---	----------------------------

B41L 29/00

Devices for attaching printing elements or formes to supports {(in printing presses in general [B41F 27/00](#))}

Definition statement

This place covers:

Devices specifically adapted for small scale printing apparatus suitable for office use, usual output of a low number, e.g. less than hundred, of printed subject matter.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for attaching printing elements or formes in general	B41F 27/00
--	----------------------------

B41L 31/00

Devices for removing flexible printing formes from forme cylinders

Definition statement

This place covers:

Devices specifically adapted for small scale printing apparatus suitable for office use, usual output of a low number, e.g. less than hundred, of printed subject matter.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for removing flexible printing formes in general	B41F 27/12
--	----------------------------

B41L 33/00

Pressing flexible printing formes or sheets or webs of copy material against cylinders, e.g. for smoothing purposes {(in printing presses in general [B41F 25/00](#))}

Definition statement

This place covers:

Devices specifically adapted for small scale printing apparatus suitable for office use.

Usual output of a low number, e.g. less than hundred, of printed subject matter.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for pressing sheets or webs against cylinders in printing presses in general	B41F 25/00
--	----------------------------

B41L 35/00

Cylinders for apparatus or machines for manifolding, duplicating, or printing for office or other commercial purposes {(in printing presses in general [B41F 13/08](#))}

Definition statement

This place covers:

Cylinders and associated devices, e.g. bearings, tripping devices, adjusting devices, guards, covers, heating means, specifically adapted for small scale printing apparatus suitable for office use,

usual output of a low number, e.g. less than hundred, of printed subject matter.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Cylinders and associated devices for printing machines in printing presses in general	B41F 13/08
---	----------------------------

B41L 38/00

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](#))

Definition statement

This place covers:

Devices specifically adapted for small scale printing apparatus suitable for office use,

usual output of a low number, e.g. less than hundred, of printed subject matter.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Devices for attaching covers in printing presses in general	B41F 30/00
---	----------------------------

B41L 39/00

Indicating, counting, warning, control, or safety devices (ink-level control devices [B41L 27/04](#); such devices in general, see relevant subclasses, e.g. counting in general [G06M](#))

Definition statement

This place covers:

Devices specifically adapted for small scale printing apparatus suitable for office use, usual output of a low number, e.g. less than hundred, of printed subject matter.

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Indicating, counting, warning, control or safety devices in printing presses in general	B41F 33/00
---	----------------------------

B41L 41/00

Cleaning arrangements or devices {(for printing presses in general [B41F 35/00](#))}

Definition statement

This place covers:

Devices specifically adapted for small scale printing apparatus suitable for office use, usual output of a low number, e.g. less than hundred, of printed subject matter.

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Cleaning arrangements or devices in printing presses in general	B41F 35/00
---	----------------------------

B41L 43/00

Auxiliary folding, collecting, or depositing of sheets or webs (in general [B65H](#))

Definition statement

This place covers:

Devices specifically adapted for small scale printing apparatus suitable for office use, usual output of a low number, e.g. less than hundred, of printed subject matter.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Auxiliary folding, collecting or depositing of sheets or webs in printing presses in general	B41F 13/54 - B41F 13/70
--	---

B41L 45/00

Kinds or types of addressing machines or of like series-printing machines

Definition statement

This place covers:

Machines using printing plates, separate printing devices and printing surfaces carried by belts or chains,

devices for other operations, e.g. franking or collating, forming part of an addressing machine are included,

technology mostly used until the year 2000.

B41L 47/00

Details of addressographs or like series-printing machines (common details of printing machines [B41F 21/00](#) - [B41F 35/00](#))

Definition statement

This place covers:

Printing surfaces, devices for handling printing plates, printing mechanisms, devices for text or image selection, mechanisms for conveying copy material, indicating, warning, control and safety devices and auxiliary devices specifically adapted for addressographs,

technology mostly used until the year 2000.

B41L 49/00

Accessories or attachments for addressographs or like series-printing machines

Definition statement

This place covers:

Accessories or attachments, e.g. counting, numbering or dating devices specifically adapted for addressographs,

technology mostly used until the year 2000.