Manifolding by means of pressure-sensitive layers or intermediaries

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

1/02 . 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

1/04 . Devices for performing operations subsequent to manifolding, e.g. for separating single sheets or webs from single form sets, continuous manifold assemblies from carbons

1/06 . . on single form sets
1/08 . . . on continuous manifold assemblies
1/10 . . . Separate folding or disposition of single webs
1/12 . . . Severing webs to obtain single sheets or forms, e.g. by cutting, by bursting
1/14 . . . Severing edge perforations from webs
1/16 . . . Carriers or supply devices for pressure-sensitive material, e.g. for carbon sheets; Carbon gloves
1/18 . . . for carbon webs; Continuous carbon supply mechanisms

1/20 . Manifolding assemblies, e.g. book-like assemblies (multi-copy labels G09F 3/0288)
1/22 . . made up of single sheets or forms
1/24 . . . Pads or books
1/26 . . . Continuous assemblies made up of webs
1/28 . . . in rolled or wound form
1/30 . . . folded longitudinally
1/32 . . . folded transversely
1/321 . . . . [Stacks of sheets attached to a carrier strip or web]
1/323 . . . . [Uniting several webs, e.g. transversely]
1/325 . . . . . (longitudinally)
1/326 . . . . [Severance lines; Perforations]
1/328 . . . . . [Removing carbon sheets]
1/34 . . for making masters for hectographic duplicators
1/36 . . . with pressure-sensitive layers or coating other than carbon (sheet materials B41M 5/00)

3/00 Platen or like sheet supports for manifolding using pressure-sensitive layers or intermediaries, e.g. for book-keeping purposes

3/02 . with stationary clamping means for holding the manifolding assembly in registered position, e.g. resilient clamps for holding non-perforated sheets (clamps for platen B41F 1/36)
Manifolding by means of pressure-sensitive layers or intermediaries

Apparatus or machines for duplicating or printing for office or other commercial purposes

7/00 Apparatus for directly duplicating from hectographic originals, i.e. for obtaining copies in mirror image
7/02 . . by passing original and copy-sheet or -web between rollers
7/04 . . with means for guiding original or copy-sheet or -web
7/06 . . with means for severing copy-sheet or -web
7/08 . . with means for moistening or drying

9/00 Apparatus for indirectly duplicating from hectographic originals by means of hectographic intermediaries or transfer surfaces, i.e. "dry duplicators"
9/02 . . Containers for clay or gelatin
9/04 . . with flat supports over which gelatin-paper is stretched
9/06 . . and with carriages for feeding the sheets
9/08 . . and with devices for rolling-in and securing hectographic gelatin-paper webs
9/10 . . with rotary cylinders carrying sheets of hectographic gelatin-paper

11/00 Apparatus for directly duplicating from hectographic masters in mirror image, i.e. "wet duplicators" for producing positive copies
11/02 . . with a flat support carrying the masters
11/04 . . and with carriages for feeding the sheets
11/06 . . for stack duplicating with pressure rollers
11/08 . . with rotary cylinders carrying the masters
11/10 . . with two rollers between which master is stretched
11/12 . . Driving gear; Control thereof
11/14 . . Constructional features of masters (chemical aspects B41M)

13/00 Stencilling apparatus for office or other commercial use (screen printing B41F 15/00; stencils, stencil materials, carriers therefor B41N 1/24)
13/02 . . with flat stencil carriers
13/04 . . with curved or rotary stencil carriers
13/06 . . with a single cylinder carrying the stencil
13/08 . . with stencil carried by two or more cylinders, e.g. through the intermediary of endless bands
13/10 . . . Clips or clamps for securing stencils to stencil carriers
13/12 . . for special purposes, e.g. for reproducing Braille characters (typewriters for Braille B41J 3/32)
13/14 . . Attachments, e.g. for punching, cutting, severing
13/16 . . Driving gear; Control thereof
13/18 . . Inking units

15/00 Letterpress printing apparatus specially adapted for office or other commercial purposes (in general B41F; printing plates or foils, materials therefor B41N 1/00)
15/02 . . with flat printing surfaces, e.g. with flat type-beds, surfaces made of thin sheet material or moulded from plastics or rubber
15/04 . . of composed type locked in chases
15/06 . . with curved printing surfaces, e.g. cylinders
15/08 . . with stereotypes
15/10 . . for multicolour printing; for perfecting
15/12 . . Driving gear; Control thereof
15/14 . . Attachments, e.g. for punching, cutting, severing

17/00 Lithographic printing apparatus for office or other commercial purposes (in general B41F; printing plates or foils, materials therefor B41N 1/00)
17/02 . . for direct impression printing
17/04 . . with flat printing surfaces
17/06 . . with curved printing surfaces, e.g. cylinders
17/08 . . for offset printing
17/10 . . with flat printing surfaces, e.g. co-operating with travelling offset cylinders
17/12 . . with curved printing surfaces, e.g. forme cylinders
17/14 . . of two-cylinder type, e.g. co-operating forme and impression cylinders
17/16 . . of three-cylinder type
17/18 . . for multicolour printing, e.g. tandem machines; for perfecting
17/20 . . without damping means, e.g. using heat-activatable inks, refrigerated printing surfaces
17/22 . . Driving gear; Control thereof
17/24 . . Attachments, e.g. for punching, cutting, severing
Apparatus or machines for duplicating or printing for office or other commercial purposes

19/00 Duplicating or printing apparatus or machines for office or other commercial purposes, of special types or for special purposes and not otherwise provided for (addressographs B41L 45/00)

19/003 . [using heat, e.g. wax transfer]
19/006 . [Auxiliary numbering devices]
19/02 . 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)
19/04 . 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)
19/06 . . with co-operating forme and impression cylinders
19/08 . . . by effecting relative movement of forme and impression cylinders during printing cycle
19/10 . . . by projecting and retracting parts of the surfaces of the forme cylinders
19/12 . . . by masking parts of the printing surfaces on the forme cylinders
19/14 . . . by selective damping of the copy material
19/16 . . . by selective tripping of impression cylinders

Common details of, or accessories for, apparatus or machines for manifolding, duplicating, or printing for office or other commercial purposes

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))
21/02 . for conveying sheets
21/04 . . Pins
21/06 . . Grippers
21/08 . . . Suction-operated grippers
21/10 . . . Combinations of endless conveyors and grippers
21/12 . . . for conveying webs

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)
23/02 . by damping, e.g. by moistening copy sheets in connection with hectographic printing
23/04 . . using friction rollers
23/06 . . using brushes
23/08 . . using spray elements
23/10 . . using endless bands
23/12 . . using absorbent pads
23/14 . . Ducts, containers, or like supply devices for liquids
23/16 . . Devices for tripping or lifting damping rollers; Supporting, adjusting, or removing arrangements therefor
23/18 . . Construction of damping rollers
23/20 . . by heat drying, by cooling, by applying powders
23/22 . . Powdering devices, e.g. for preventing set-off
23/24 . . Print-finishing devices, e.g. for glossing prints

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)
25/005 . [Pre-damping etching devices]
25/02 . using friction rollers
25/04 . using brushes
25/06 . using spraying elements
25/08 . using endless bands
25/10 . using absorbent pads
25/12 . Ducts, containers, or like supply devices for liquids
25/14 . Inking rollers serving also to apply ink repellent (in rotary lithographic machines B41F 7/36)
25/16 . Devices for tripping or lifting damping rollers; Supporting, adjusting, or removing arrangements therefor (in rotary lithographic machines B41F 7/40)
25/18 . Construction of damping rollers

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)
27/02 . adapted for inking by hand
27/04 . Ducts, containers, or supply devices or ink-level control devices (level control in general G05D 9/00)
27/06 . . Duct blades or like supply devices
27/08 . . Troughs or like reservoirs with immersed, or partly immersed rollers
27/10 . . with ink-ejecting means, e.g. pumps
27/12 . . Feed or duct rollers (messenger or moving transfer rollers B41L 27/16)
27/14 . . adjustable for regulating supply
27/16 . . Messenger or other moving transfer rollers
27/18 . Continuous, e.g. endless-band apparatus
27/20 . for inking selected parts of printing formes
27/22 . Ink removing or collecting devices
27/24 . for inking from interior of cylinder
27/26 . Absorbent pads
27/28 . Construction of inking rollers
27/30 . Spray apparatus
27/32 . Arrangements for tripping, lifting, adjusting, or removing inking rollers; Supports, bearings or forks therefor
27/34 . . Lifting or adjusting devices
27/36 . . Cams, eccentrics, wedges, or the like devices
27/38 . . Fluid-pressure operated
27/40 . . magnetically operated

29/00 Devices for attaching printing elements or formes to supports (in printing presses in general B41F 27/00)
29/02 . . magnetic
29/04 . for attaching printing elements to flat type-beds
29/06 . for attaching elements to forme cylinders
29/08 . for attaching print formes to flat type-beds
29/10 . for attaching non-deformable curved printing formes to forme cylinders
29/12 . for attaching flexible print formes
29/14 . . Clamping devices
29/16 . . operating automatically during operation of rotary machines to attach the printing formes to the forme cylinders
29/18 . . . electromagnetic, pneumatic, or hydraulic
Devices for removing flexible printing formes from forme cylinders

Pressing flexible printing formes or sheets or webs of copy material against cylinders, e.g. for smoothing purposes

Cylinders for apparatus or machines for manifolding, duplicating, or printing for office or other commercial purposes

Devices for attaching coverings or make-ready devices; Guiding devices for coverings

Indicating, counting, warning, control, or safety devices
Addressing machines or like series-printing machines

47/32 . . . combined with devices for other purposes, e.g.
for cutting, severing, gluing
47/34 . . . specially adapted for conveying chains of
forms
47/36 . . . for conveying sheets or webs for tabulating
purposes; Tabulating mechanisms combined with
sheet or web conveyors
47/38 . . . with clamping means for head or margin
47/40 . . . with means for automatically reciprocating
sheet or web transversely to enable addresses to
be printed in columns side by side
47/42 . . Printing mechanisms
47/44 . . using flat platens
47/46 . . using line-contact members, e.g. rollers, cylinders
47/48 . . with inking or ink-ribbon devices
47/50 . . 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)
47/52 . . with movable counter-pressure plates for printing
from selected areas of printing surfaces
47/54 . . with means for automatically reciprocating
printing plate transversely to enable addresses to
be printed in columns side by side
47/56 . . Indicating, warning, control, or safety devices
(B41L 47/58 takes precedence)
47/58 . . Arrangements or devices for selecting, or for
facilitating selection of, text or image to be printed
47/60 . . Markings applied to printing plates, e.g. code
marks, colours, clips, perforations, edge notches,
projections
47/62 . . Selecting devices, e.g. cams, windows, positions
indicators
47/64 . . 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
49/00 Accessories or attachments for addressographs or
like series-printing machines
49/02 . . Counting, numbering, or dating devices
49/04 . . Devices for applying selection markings to printing
plates