

B41B

MACHINES OR ACCESSORIES FOR MAKING, SETTING, OR DISTRIBUTING TYPE; TYPE; PHOTOGRAPHIC OR PHOTOELECTRIC COMPOSING DEVICES (photographic devices in general G03)

Definition statement

This subclass/group covers:

- Single types and lines composed of a plurality of types grouped and fixed together for printing,
- types are three-dimensionally formed almost cuboid bodies having a top surface carrying in form of a raised relief a specific type face defining an alphanumerical character or decorating symbol,
- types and lines are usually cast bodies mainly formed by lead containing material or in case of bigger types or lines, are cut from wooden material
- casting equipment and mechanical apparatus for manufacturing said types or lines,
- mechanical apparatus and photographic or photoelectronic apparatus, so called phototypographic composing machines specifically adapted for grouping together a plurality of types and/or lines in a flat type-bed to form a full image or page to be printed onto a sheet or web-like substrate,
- recording, controlling, indicating and safety devices and processes specifically adapted for said equipments and apparatus,
- technology mostly used until the year 1990.

References relevant to classification in this subclass

This subclass/group does not cover:

Apparatus for mechanical reproduction of printing surfaces for stereotype printing	B41D 1/00 - B41D 5/00
Shaping elastic or deformable material to form printing surfaces	B41D 7/00
Printing plates or foils	B41N 1/00

Informative references

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

Foundry moulding in general	B22C
Casting in general	B22D
Processes for the manufacture or reproduction of printing surfaces	B41C
Platen presses having at least one essentially flat pressure applying member cooperating with a flat type-bed	B41F 1/00
Cylinder presses essentially comprising at least one cylinder cooperating with at least one flat type-bed	B41F 3/00
Rotary printing machines	B41F 5/00 - B41F 13/00
Apparatus for bronze printing, line printing, or for bordering or edging sheets or like articles	B41G 1/00 - B41G 5/00
Auxiliary perforating apparatus in conjunction with printing	B41G 7/00
Stamps,; stamping or numbering apparatus or devices	B41K
Apparatus or devices for manifolding, duplicating, or printing for office or other commercial purposes in general	B41L 1/00 - B41L 43/00
Addressing machines or like series-printing machines	B41L 45/00 - B41L 49/00
Printing, colour printing, duplicating, marking or copying processes in general	B41M
Apparatus or accessories for taking photographs in general	G03B

Photosensitive materials or photographic processes in general	G03C
Apparatus for processing exposed photographic material in general	G03D
Photomechanical production of textured or patterned surfaces, e.g. for printing in general	G03F
Electrography, electrophotography, magnetography in general	G03G

Glossary of terms

In this subclass/group, the following terms (or expressions) are used with the meaning indicated:

Printing	after applying ink or colour onto the surface of said specific type faces, said inked type faces are applied by contact pressure onto the surface of a substrate, e.g. paper, to apply the inked characters or symbols or lines onto the substrate
----------	--

B41B 1/00

Elements or appliances for hand composition; Chases, quoins or galleys

Definition statement

This subclass/group covers:

- Chases are frames essentially formed from iron holding together by clamping action a plurality of types and/or lines forming a full page of text and/or decorating symbols to print said page onto a substrate,
- quoins are clamping or gripping wedges used inside a chase to clamp the types and or lines, and
- galleys are rectangular flat metal plates having a raised border on three sides thereof for manually arranging or composing a plurality of single types and/or lines to form the text and/or symbols of a full page to be printed; after finishing the arrangement of all types and/or lines forming

the full page, the whole set is pushed through the borderless side of the galley onto the type-bed of a printing press.

- specific technology mostly used until the year 1990.

B41B 3/00

Apparatus for mechanical composition using prefabricated type, i.e. without casting equipment

Definition statement

This subclass/group covers:

- Apparatus or devices for taking single types from various sources, e.g. from slide magazines,
- apparatus or devices for distributing types e.g. onto a type-bed,
- apparatus for verifying or justifying the composition,
- specific technology mostly used until the year 1990.

B41B 5/00

Devices for making types or lines (for mechanical composition B41B7/00, B41B9/00, B41B11/00)

Definition statement

This subclass/group covers:

- Casting devices,
- matrices,
- tools and accessories,
- specific technology mostly used until the year 1990.

B41B 7/00

Kinds or types of apparatus for mechanical composition in which the type is cast or moulded from matrices

Definition statement

This subclass/group covers:

- Matrices are almost composed of brass and form an open casting mould for almost lead containing molten casting material. On the

bottom surface of said matrices is embossed an alphanumerical character and/or decorative symbol for shaping the molten casting material into the type face;

- specific technology mostly used until the year 1990.

B41B 9/00

Details of, or accessories for, machines for mechanical composition using fixed combinations of matrices from which type is cast or moulded

Definition statement

This subclass/group covers:

- Arrangements and carriers for matrices,
- moulding or casting devices per se,
- devices for handling cast types,
- specific technology mostly used until the year 1990.

B41B 11/00

Details of, or accessories for, machines for mechanical composition using matrices for individual characters which are selected and assembled from type casting or moulding

Definition statement

This subclass/group covers:

- Space bands and matrices,
- storage devices therefore,
- assembling, lining, distributing devices for space bands and matrices,
- moulding or casting devices per se,
- cooling or cleaning devices,
- specific technology mostly used until the year 1990.

B41B 13/00

Equipment specifically adapted for photographing mounted characters or the like, e.g. advertisements, lines

Definition statement

This subclass/group covers:

- Mounting or composing characters by hand,
- simultaneously photographing composed characters or single characters one by one,
- specific technology mostly used until the year 1990.

Informative references

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

Apparatus and accessories for taking photographs in general	G03B
Photosensitive materials or photographic processes in general	G03C
Apparatus for processing exposed photographic material in general	G03D
Photomechanical production of textured or patterned surfaces, e.g. for printing	G03F
Electrography, electrophotography, magnetography in general	G03G

B41B 15/00

Photographic composing machines with movable character carriers for composing lines of characters prior to photography

Definition statement

This subclass/group covers:

- Means for photographing complete lines or composed characters,
- details like photographic devices and character carriers,
- handling, storing or cleaning devices for character carriers,
- specific technology mostly used until the year 1990.

Informative references

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

Apparatus and accessories adapted for photographing in general	G03B
Photographic materials or photographic processes in general	G03C
Apparatus for processing exposed photographic material in general	G03D
Photomechanical production of textured or patterned surfaces, e.g. for printing	G03F
Electrography, electrophotography, magnetography in general	G03G

B41B 17/00

Photographic composing machines having fixed or movable character carriers and without means for composing lines prior to photography

Definition statement

This subclass/group covers:

- Manually-adjustable character carriers,
- carriers for all characters in one size,
- character carriers per se including accessories like cleaning devices, selection indicators, devices for indicating the width,
- specific technology mostly used until the year 1990.

Informative references

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

Apparatus and accessories for taking photographs in general	G03B
Photosensitive materials or	G03C

photographic processes in general	
Apparatus for processing exposed photographic material in general	G03D
Photomechanical production of textured or patterned surfaces, e.g. for printing in general	G03F
Electrography, electrophotography, magnetography in general	G03G

B41B 19/00

Photoelectronic composing machines

Definition statement

This subclass/group covers:

- Electron-beam tubes producing an image of photographed characters on a screen,
- specifically adapted character carriers associated with electron beams,
- specific technology mostly used until the year 2000.

Informative references

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

Apparatus and accessories for taking photographs in general	G03B
Photosensitive materials or photographic processes in general	G03C
Apparatus for processing exposed photographic material in general	G03D
Photomechanical production of textured or patterned surfaces, e.g. for printing	G03F
Electrography, electrophotography, magnetography in general	G03G

B41B 21/00

Common details of photographic composing machines of the kinds covered in groups B41B17/00 and B41B19/00

Definition statement

This subclass/group covers:

- Optical equipment per se and specifically adapted accessories,
- shutters,
- light sources,
- single or multiple optical paths,
- electron-beam tubes,
- film carriers including handling and positioning means therefore,
- specific technology mostly used until the year 1990.

Informative references

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

Apparatus and accessories for taking photography in general	G03B
Photosensitive materials or photographic processes in general	G03C
Apparatus for processing exposed photographic material in general	G03D
Photomechanical production of textured or patterned surfaces, e.g. for printing	G03F
Electrography, electrophotography, magnetography in general	G03G

B41B 23/00

Auxiliary devices for modifying, mixing or correcting text or lay-out in connection with photographic or photoelectronic composing

Definition statement

This subclass/group covers:

- Devices for mixing parts of text from a plurality of films to another film,
- devices for removing incorrect lines, devices for rearranging lines,
- devices for facilitating hand correction,
- specific technology mostly used until the year 1990.

Informative references

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

Apparatus and accessories for taking photographs in general	G03B
Photosensitive materials or photographic processes in general	G03C
Apparatus for processing exposed photographic materials in general	G03D
Photomechanical production of textured or patterned surfaces, e.g. for printing	G03F
Electrography, electrophotography, magnetography in general	G03G

B41B 25/00

Apparatus specifically adapted for preparation of record carriers for controlling composing machines (for casting individual characters, e.g. in "monotype" machines B41B7/04; methods for marking or reproducing record carriers having digital data thereon in general G06K1/00)

Definition statement

This subclass/group covers:

- Devices for line justification including counting and indicating devices,
- combinations with type-setting machines,
- auxiliary devices,
- specific technology mostly used until the year 1990.

Informative references

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

Type-setting machines	B41B 3/00 - B41B 11/00
Measurement of light, measurement of colour, colorimetry	G01J
Apparatus and accessories for taking photographs in general	G03B
Controlling, regulating in general	G05B
Electric digital data processing	G06F

B41B 27/00

Control, indicating, or safety devices or systems for composing machines of various kinds or types (computers in general G06F)

Definition statement

This subclass/group covers:

- Central systems controlling all operations, like keyboards,
- devices for individual operations or machine elements,
- devices for proof printing operations,
- specific technology mostly used until the year 1990.

Informative references

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

Control, indicating or safety devices for printing machines or presses in	B41F 33/00
---	----------------------------

general	
Control or regulating systems including functional elements in general	G05B
Information storage in general	G11