

CPC COOPERATIVE PATENT CLASSIFICATION

B41B MACHINES OR ACCESSORIES FOR MAKING, SETTING, OR DISTRIBUTING TYPE; TYPE; PHOTOGRAPHIC OR PHOTOELECTRIC COMPOSING DEVICES ([photographic devices in general G03](#))

1/00	Elements or appliances for hand composition; Chases, quoins, or galleys	7/10	. . in which a line is composed of matrices and in which single types or spaces are cast, e.g. stringer type
1/02	. Printing letters; Type	7/12	. . in which a justified line is composed of matrices and a type line is cast in one piece
1/025	. . {for languages in which the latin alphabet is not used}	7/14	. . . the matrices being composed by hand
1/04	. Quadrats or quads: Spaces or other justifiers	7/16	. . . the lines of matrices being composed and justified by machine operation, e.g. line type casting machines, "intertype" machines
1/06	. for special purposes	7/18	. . . . the matrices being guided by wires, e.g. "typograph" machines
1/08	. . for inserting latest news	9/00	Details of, or accessories for, machines for mechanical composition using fixed combinations of matrices from which type is cast or moulded
1/10	. . for inserting advertisements	9/02	. Combinations of matrices
1/12	. . for setting musical notations	9/04	. Carriers for combinations of matrices, e.g. blocks, cylinders, wheels, bars
1/14	. Composing rules, e.g. of brass	9/06	. Mechanisms for effecting relative movements of matrix carriers and moulds for character or space selection
1/16	. Reglets	9/08	. Moulding or casting devices
1/18	. Chases	9/10	. . Moulds
1/20	. Quoins or other binding means	9/12	. . Justifying devices
1/22	. Composing tables; Type cases; Storage cabinets; Washing or cleaning devices therefor	9/14	. . Supply devices for molten metal
1/24	. . Washing or cleaning devices	9/16	. Devices for handling type after casting
1/26	. Composing or setting sticks	9/18	. . Ejector mechanisms
1/28	. Galleys	9/20	. . Trimming devices
Machines or other mechanical apparatus for composing		11/00	Details of, or accessories for, machines for mechanical composition using matrices for individual characters which are selected and assembled for type casting or moulding
3/00	Apparatus for mechanical composition using prefabricated type, i.e. without casting equipment	11/02	. Matrices
3/02	. Mechanical composing machines using single types or logotypes and having slide magazines therefor, e.g. flat, cylindrical, radial, single magazines	11/04	. Space bands
3/04	. Means for distributing type	11/06	. Storage devices for matrices or space bands
3/06	. Justifying means	11/08	. . Magazines for matrices
5/00	Devices for making type or lines (for mechanical composition B41B 7/00, B41B 9/00, B41B 11/00)	11/10	. . . for composing by hand
5/02	. Matrices	11/12	. . . Attachment of magazines to machines; Magazine-selection or magazine-shift mechanisms (controlling selection or shifting B41B 27/42)
5/04	. Casting devices	11/14	. . . with escapement devices
5/06	. . mechanically operated	11/16	. . Boxes for space bands; Escapements or guides for releasing space bands
5/08	. Tools or auxiliaries	11/18	. Devices or arrangements for assembling matrices and space bands (control devices therefor B41B 27/44)
5/10	. . for polishing or finishing type (polishing in general B24B)	11/20	. . Assembler guide channels
5/12	. . for making type in the form of lines, e.g. by drawing or casting	11/22	. . Assembler cover plates or framework
5/14	. . for cutting spaces	11/24	. . Belt conveyors co-operating with assembler guides
7/00	Kinds or types of apparatus for mechanical composition in which the type is cast or moulded from matrices	11/26	. . Devices for feeding or guiding space bands into association with matrices
7/02	. operating with fixed combinations of matrices (details B41B 9/00)	11/28	. . Star wheels or other stacking devices for matrices and space bands; Guides associated therewith
7/04	. . for casting individual characters or spaces, e.g. type casting machines		
7/06	. . for composing, justifying and casting complete lines of matrices, e.g. "monoline" machines		
7/08	. operating with separate matrices for individual characters or spaces which are selected and assembled (details B41B 11/00)		

11/30	. . Assembler elevators or associated mechanisms, e.g. braking devices, retaining pawls, line resistants, delivery slides	15/00	Photographic composing machines with movable character carriers for composing lines of characters prior to photography
11/32	. . Transfer channels or line-delivery carriages	15/02	. with means for photographing complete lines
11/34	. . First elevators or associated mechanisms	15/04	. . and with carriers for individual characters
11/36	. . for presenting matrices or space bands directly to moulds	15/06	. . and with carriers for complete sets of characters, e.g. slidable elongated members, rotary wheels
11/38	. Devices for aligning or clamping lines of matrices and space bands	15/08	. with means for photographing composed characters in succession
11/40	. . Jaw clamps; Operating devices therefor	15/10	. Details
11/42	. . . for quadding and centering	15/12	. . Character carriers; Cleaning devices therefor
11/44	. . . for justifying	15/14	. . . with a single character, or with combinations of different styles of a single character
11/46	. . Aligning devices	15/16	. . . with combinations of different characters
11/48	. . Cleaning devices for aligning jaws (cleaning matrices B41B 11/96)	15/18	. . . with parts of characters for building up complex characters, e.g. oriental characters
11/50	. . Vice frames; Devices for releasing or locking	15/20	. . Devices for handling or storing character carriers
11/52	. Moulding or casting devices or associated mechanisms	15/22	. . . Magazines
11/54	. . Moulds; Liners therefor	15/24	. . . for justifying purposes
11/56	. . . Mould wheels; Slides or driving gear therefor	15/26	. . . for repeating a character
11/58	. . . . with locking wedges	15/28	. . Photographic devices (in general G03)
11/60	. . . . adjustable or removable	15/30	. . . Composing cameras
11/62	. . . . with interchangeable moulds	15/32	. . . Film-handling mechanisms
11/64	. . . . with a series of moulds and mechanism for selecting individual moulds	15/34	. . . Adjusting enlargement or register; Correcting exposure time
11/66	. . . mounted on reciprocable carriages	17/00	Photographic composing machines having fixed or movable character carriers and without means for composing lines prior to photography
11/68	. . . with provision for adjusting length or width of slot; with a plurality of slots	17/02	. with manually-adjustable character carriers to enable characters to be photographed in succession
11/70	. . . for casting type-bars of special form, e.g. with projections	17/04	. with a carrier for all characters in at least one font
11/72	. . Devices for trimming type-bars; Cleaning devices for trimming knives; Ejectors for type-bars	17/06	. . with an adjustable carrier
11/74	. . Devices for supplying molten metal	17/08	. . with a fixed carrier
11/76	. . . Pots (melting pots for casting stereotype plates B41D 3/20)	17/10	. . with a continuously-movable carrier
11/78	. . . . movable towards and away from mould	17/12	. . with means for moving the optical path for photographing characters, e.g. intermittently
11/80	. . . . with stirrers or means for removing dross	17/14	. . . continuously
11/82	. . . . associated with mechanism for introducing metal in solid form	17/16	. . with means for moving the film in its plane for photographing characters in succession
11/84	. . . . Throats or mouthpieces; Wipers for mouthpieces	17/18	. Details
11/86	. . . . Heaters for pots; Temperature-control devices	17/20	. . Character carriers; Cleaning devices therefor
11/88	. . . Pumps; Stop-motions or safety devices therefor	17/22	. . . with a single character; with a single character in more than one style
11/90	. Arrangements or devices for distributing matrices or space bands after casting or moulding	17/24	. . . with all characters
11/92	. . Second elevators	17/26	. . . . on belts
11/94	. . Screw conveyors	17/28	. . . . on polygonal rods
11/96	. Devices for cooling or cleaning matrices	17/30	. . . . on a sheet of square or rectangular shape
		17/32	. . . . on a flat disc
		17/34	. . . . on a cylinder
		17/36	. . . with selection indicators
		17/38	. . . with means for indicating the width
		17/40	. . . . in caliper form
		17/42	. . . . in coded form
		19/00	Photoelectronic composing machines
		19/01	. having electron-beam tubes producing an image of at least one character which is photographed
		19/02	. . the characters appearing on the screen in succession
		19/04	. . . at the same place
		19/06	. . . at different predetermined places
		19/08	. . with combinations of characters appearing on the screen at the same time
<u>Photographic or photoelectronic composing devices</u>			
13/00	Equipment specially adapted for photographing mounted characters or the like, e.g. advertisements, lines		
13/02	. the characters being composed or mounted by hand, and photographed simultaneously		
13/04	. . with means for justifying		
13/06	. . . by elastic or extensible type-line carriers		
13/08	. . . by optical line correction		
13/10	. the characters being progressively photographed one by one		

19/10	. . . in unbroken lines or columns	25/12	. . . comprising elements which circulate from and to magazines
19/12	. . . in broken lines or columns	25/14	. . . operating without space bands
19/14	. . . and presenting a text of more than one line	25/16	. . . using a binary code for the width of the matrices
19/16	. . Character carriers associated with electron-beam tubes	25/18	. . combined with type-setting machines
21/00	Common details of photographic composing machines of the kinds covered in groups B41B 17/00 and B41B 19/00	25/20	. Auxiliary devices; Devices serving special purposes
21/02	. Shutters in optical systems (in general G03B)	25/22	. . . for indicating length of line
21/04	. . for selecting characters	25/24	. . . for error correction
21/06	. . for adjusting exposures	25/26	. . . for changing the font of type
21/08	. Light sources; Devices associated therewith, e.g. control devices	27/00	Control, indicating, or safety devices or systems for composing machines of various kinds or types (computers in general G06F)
21/10	. . Single light sources	27/02	. Systems for controlling all operations
21/12	. . Stroboscopic light sources	27/04	. . Keyboards
21/14	. . Combinations of light sources	27/06	. . . operable by input of recorded or stored information, e.g. on punched tapes
21/16	. Optical systems (shutters B41B 21/02; light sources B41B 21/08)	27/08	. . . . from several sources
21/18	. . defining a single optical path	27/10	. . with direct control of all operations by input of recorded or stored information
21/20	. . . with means for moving stepwise	27/12	. . . on tapes
21/22	. . . with means for moving continuously	27/14	. . . . on punched tapes
21/24	. . defining multiple optical paths	27/16	. . . . on magnetic tapes
21/26	. . . with means for selecting individual optical paths (means for moving the optical path B41B 17/12)	27/18	. . . from memory devices
21/28	. . . with means for font selection	27/20	. . . . from electromagnetic devices, e.g. memory matrices
21/30	. Electron-beam tubes or charactrons (in general H01J 31/00)	27/22	. . . from several sources
21/32	. Film carriers; Film-conveying or positioning devices (film-handling means in line-composing photographic devices B41B 15/32; machines with means for moving the film in its plane for photographing characters in succession B41B 17/16)	27/24	. . of several associated machines
21/34	. . with positioning mechanisms	27/26	. . with means for temporarily arresting input of recorded or stored information to introduce time delays
21/36	. . . for feeding films stepwise in line direction	27/28	. Control, indicating, or safety devices for individual operations or machine elements (in devices for supplying molten metal B41B 11/86, B41B 11/88; for light sources B41B 21/08)
21/38	. . . for feeding films continuously in line direction	27/30	. . for arresting or varying speed of one operation in response to failure or variation in speed of another operation
21/40	. . . for line spacing	27/32	. . for line-justification operations
21/42	. . . for subscript or superscript notation	27/34	. . . without the use of space bands
21/44	. . adjustable for enlarging purposes	27/36	. . . using electronic devices
23/00	Auxiliary devices for modifying, mixing or correcting text or lay-out in connection with photographic or photoelectronic composing	27/38	. . for measuring length of composed lines; for reading composed characters
23/02	. for mixing by line-by-line projection of parts of texts from a number of films on to another	27/40	. . for proof-printing operations
23/04	. for facilitating hand correction of texts	27/41	. . Printing mechanisms coupled to typographical composing machines
23/06	. for correcting texts by removing incorrect lines from one film and splicing-in corrected lines from another film	27/42	. . for controlling selection or shifting of matrix magazines
<u>Marking record carriers used for controlling composing machines; Control, indicating, or safety devices or systems for composing machines of various kinds or types</u>		27/44	. . for controlling assembly of matrices and space bands
25/00	Apparatus specially adapted for preparation of record carriers for controlling composing machines (for casting individual characters or spaces, e.g. in type casting machines B41B 7/04; methods for marking or reproducing record carriers having digital data thereon in general G06K 1/00)	27/46	. . . for controlling insertion of space bands (for line justification B41B 27/32)
25/10	. incorporating devices for line justification, e.g. counting and indicating devices for length of line	27/48	. . for deleting errors or inserting corrections (means for cancelling or correcting errors in typewriters or selective printing mechanisms B41J 29/26)
		27/50	. . operated by coupled machines