

Symbol	Typ	Titel
B	Sektion	SECTION B — PERFORMING OPERATIONS; TRANSPORTING
B41	Untersektion	PRINTING
B41	Klasse	PRINTING; LINING MACHINES; TYPEWRITERS; STAMPS (reproduction or duplication of pictures or patterns by scanning and converting into electrical signals H04N) [4]
B41B	Unterklasse	MACHINES OR ACCESSORIES FOR MAKING, SETTING, OR DISTRIBUTING TYPE; TYPE; PHOTOGRAPHIC OR PHOTOELECTRONIC COMPOSING DEVICES (photographic devices in general G03)
B41B 1/00	Hauptgruppe	Elements or appliances for hand composition; Chases, quoins, or galleys
B41B 1/02	1-Punkt Untergruppe	. Printing letters; Type
B41B 1/04	1-Punkt Untergruppe	. Quadrats or quads; Spaces or other justifiers
B41B 1/06	1-Punkt Untergruppe	. for special purposes
B41B 1/08	2-Punkt Untergruppe	. . for inserting latest news
B41B 1/10	2-Punkt Untergruppe	. . for inserting advertisements
B41B 1/12	2-Punkt Untergruppe	. . for setting musical notations
B41B 1/14	1-Punkt Untergruppe	. Composing rules, e.g. of brass
B41B 1/16	1-Punkt Untergruppe	. Reglets
B41B 1/18	1-Punkt Untergruppe	. Chases
B41B 1/20	1-Punkt Untergruppe	. Quoins or other binding means
B41B 1/22	1-Punkt Untergruppe	. Composing tables; Type cases; Storage cabinets; Washing or cleaning devices therefor
B41B 1/24	2-Punkt Untergruppe	. . Washing or cleaning devices
B41B 1/26	1-Punkt Untergruppe	. Composing or setting sticks
B41B 1/28	1-Punkt Untergruppe	. Galleys
		<u>Machines or other mechanical apparatus for composing</u>
B41B 3/00	Hauptgruppe	Apparatus for mechanical composition using prefabricated type, i.e. without casting equipment
B41B 3/02	1-Punkt Untergruppe	. Mechanical composing machines using single types or logotypes and having slide magazines therefor, e.g. flat, cylindrical, radial, single magazines
B41B 3/04	1-Punkt Untergruppe	. Means for distributing type
B41B 3/06	1-Punkt Untergruppe	. Justifying means
B41B 5/00	Hauptgruppe	Devices for making type or lines (for mechanical composition B41B 7/00, B41B 9/00, B41B 11/00)
B41B 5/02	1-Punkt Untergruppe	. Matrices
B41B 5/04	1-Punkt Untergruppe	. Casting devices
B41B 5/06	2-Punkt Untergruppe	. . mechanically operated
B41B 5/08	1-Punkt Untergruppe	. Tools or auxiliaries
B41B 5/10	2-Punkt Untergruppe	. . for polishing or finishing type (polishing in general B24B)

Symbol	Typ	Titel
B41B 5/12	2-Punkt Untergruppe	. . for making type in the form of lines, e.g. by drawing or casting
B41B 5/14	2-Punkt Untergruppe	. . for cutting spaces
B41B 7/00	Hauptgruppe	Kinds or types of apparatus for mechanical composition in which the type is cast or moulded from matrices
B41B 7/02	1-Punkt Untergruppe	. operating with fixed combinations of matrices (details B41B 9/00)
B41B 7/04	2-Punkt Untergruppe	. . for casting individual characters or spaces, e.g. "monotype" machines
B41B 7/06	2-Punkt Untergruppe	. . for composing, justifying, and casting complete lines of matrices, e.g. "monoline" machines
B41B 7/08	1-Punkt Untergruppe	. operating with separate matrices for individual characters or spaces which are selected and assembled (details B41B 11/00)
B41B 7/10	2-Punkt Untergruppe	. . in which a line is composed of matrices and in which single types or spaces are cast, e.g. stringer type
B41B 7/12	2-Punkt Untergruppe	. . in which a justified line is composed of matrices and a type line is cast in one piece
B41B 7/14	3-Punkt Untergruppe	. . . the matrices being composed by hand
B41B 7/16	3-Punkt Untergruppe	. . . the lines of matrices being composed and justified by machine operation, e.g. "linotype", "intertype" machines
B41B 7/18	4-Punkt Untergruppe	 the matrices being guided by wires, e.g. "typograph" machines
B41B 9/00	Hauptgruppe	Details of, or accessories for, machines for mechanical composition using fixed combinations of matrices from which type is cast or moulded
B41B 9/02	1-Punkt Untergruppe	. Combinations of matrices
B41B 9/04	1-Punkt Untergruppe	. Carriers for combinations of matrices, e.g. blocks, cylinders, wheels, bars
B41B 9/06	1-Punkt Untergruppe	. Mechanisms for effecting relative movements of matrix carriers and moulds for character or space selection
B41B 9/08	1-Punkt Untergruppe	. Moulding or casting devices
B41B 9/10	2-Punkt Untergruppe	. . Moulds
B41B 9/12	2-Punkt Untergruppe	. . Justifying devices
B41B 9/14	2-Punkt Untergruppe	. . Supply devices for molten metal
B41B 9/16	1-Punkt Untergruppe	. Devices for handling type after casting
B41B 9/18	2-Punkt Untergruppe	. . Ejector mechanisms
B41B 9/20	2-Punkt Untergruppe	. . Trimming devices
B41B 11/00	Hauptgruppe	Details of, or accessories for, machines for mechanical composition using matrices for individual characters which are selected and assembled for type casting or moulding
B41B 11/02	1-Punkt Untergruppe	. Matrices
B41B 11/04	1-Punkt Untergruppe	. Space bands
B41B 11/06	1-Punkt Untergruppe	. Storage devices for matrices or space bands
B41B 11/08	2-Punkt Untergruppe	. . Magazines for matrices
B41B 11/10	3-Punkt Untergruppe	. . . for composing by hand
B41B 11/12	3-Punkt Untergruppe	. . . Attachment of magazines to machines; Magazine-selection or magazine-shift mechanisms (controlling selection or shifting B41B 27/42)

Symbol	Typ	Titel
B41B 11/14	3-Punkt Untergruppe	. . . with escapement devices
B41B 11/16	2-Punkt Untergruppe	. . Boxes for space bands; Escapements or guides for releasing space bands
B41B 11/18	1-Punkt Untergruppe	. Devices or arrangements for assembling matrices and space bands (control devices therefor B41B 27/44)
B41B 11/20	2-Punkt Untergruppe	. . Assembler guide channels
B41B 11/22	2-Punkt Untergruppe	. . Assembler cover plates or framework
B41B 11/24	2-Punkt Untergruppe	. . Belt conveyers co-operating with assembler guides
B41B 11/26	2-Punkt Untergruppe	. . Devices for feeding or guiding space bands into association with matrices
B41B 11/28	2-Punkt Untergruppe	. . Star wheels or other stacking devices for matrices and space bands; Guides associated therewith
B41B 11/30	2-Punkt Untergruppe	. . Assembler elevators or associated mechanisms, e.g. braking devices, retaining pawls, line resistants, delivery slides
B41B 11/32	2-Punkt Untergruppe	. . Transfer channels or line-delivery carriages
B41B 11/34	2-Punkt Untergruppe	. . First elevators or associated mechanisms
B41B 11/36	2-Punkt Untergruppe	. . for presenting matrices or space bands directly to moulds
B41B 11/38	1-Punkt Untergruppe	. Devices for aligning or clamping lines of matrices and space bands
B41B 11/40	2-Punkt Untergruppe	. . Jaw clamps; Operating devices therefor
B41B 11/42	3-Punkt Untergruppe	. . . for quadding and centring
B41B 11/44	3-Punkt Untergruppe	. . . for justifying
B41B 11/46	2-Punkt Untergruppe	. . Aligning devices
B41B 11/48	2-Punkt Untergruppe	. . Cleaning devices for aligning jaws (cleaning matrices B41B 11/96)
B41B 11/50	2-Punkt Untergruppe	. . Vice frames; Devices for releasing or locking
B41B 11/52	1-Punkt Untergruppe	. Moulding or casting devices or associated mechanisms
B41B 11/54	2-Punkt Untergruppe	. . Moulds; Liners therefor
B41B 11/56	3-Punkt Untergruppe	. . . Mould wheels; Slides or driving gear therefor
B41B 11/58	4-Punkt Untergruppe	 with locking wedges
B41B 11/60	4-Punkt Untergruppe	 adjustable or removable
B41B 11/62	4-Punkt Untergruppe	 with interchangeable moulds
B41B 11/64	4-Punkt Untergruppe	 with a series of moulds and mechanism for selecting individual moulds
B41B 11/66	3-Punkt Untergruppe	. . . mounted on reciprocable carriages
B41B 11/68	3-Punkt Untergruppe	. . . with provision for adjusting length or width of slot; with a plurality of slots
B41B 11/70	3-Punkt Untergruppe	. . . for casting type-bars of special form, e.g. with projections
B41B 11/72	2-Punkt Untergruppe	. . Devices for trimming type-bars; Cleaning devices for trimming knives; Ejectors for type-bars
B41B 11/74	2-Punkt Untergruppe	. . Devices for supplying molten metal

Symbol	Typ	Titel
B41B 11/76	3-Punkt Untergruppe	. . . Pots (melting pots for casting stereotype plates B41D 3/20)
B41B 11/78	4-Punkt Untergruppe	 movable towards, and away from, mould
B41B 11/80	4-Punkt Untergruppe	 with stirrers or means for removing dross
B41B 11/82	4-Punkt Untergruppe	 associated with mechanisms for introducing metal in solid form
B41B 11/84	4-Punkt Untergruppe	 Throats or mouthpieces; Wipers for mouthpieces
B41B 11/86	4-Punkt Untergruppe	 Heaters for pots; Temperature-control devices
B41B 11/88	3-Punkt Untergruppe	. . . Pumps; Stop-motions or safety devices therefor
B41B 11/90	1-Punkt Untergruppe	. Arrangements or devices for distributing matrices or space bands after casting or moulding
B41B 11/92	2-Punkt Untergruppe	. . Second elevators
B41B 11/94	2-Punkt Untergruppe	. . Screw conveyers
B41B 11/96	1-Punkt Untergruppe	. Devices for cooling or cleaning matrices
		<u>Photographic or photoelectronic composing devices</u>
B41B 13/00	Hauptgruppe	Equipment specially adapted for photographing mounted characters or the like, e.g. advertisements, lines
B41B 13/02	1-Punkt Untergruppe	. the characters being composed or mounted by hand, and photographed simultaneously
B41B 13/04	2-Punkt Untergruppe	. . with means for justifying
B41B 13/06	3-Punkt Untergruppe	. . . by elastic or extensible type-line carriers
B41B 13/08	3-Punkt Untergruppe	. . . by optical line correction
B41B 13/10	1-Punkt Untergruppe	. the characters being progressively photographed one by one
B41B 15/00	Hauptgruppe	Photographic composing machines with movable character carriers for composing lines of characters prior to photography
B41B 15/02	1-Punkt Untergruppe	. with means for photographing complete lines
B41B 15/04	2-Punkt Untergruppe	. . and with carriers for individual characters
B41B 15/06	2-Punkt Untergruppe	. . and with carriers for complete sets of characters, e.g. slidable elongated members, rotary wheels
B41B 15/08	1-Punkt Untergruppe	. with means for photographing composed characters in succession
B41B 15/10	1-Punkt Untergruppe	. Details
B41B 15/12	2-Punkt Untergruppe	. . Character carriers; Cleaning devices therefor
B41B 15/14	3-Punkt Untergruppe	. . . with a single character, or with combinations of different styles of a single character
B41B 15/16	3-Punkt Untergruppe	. . . with combinations of different characters
B41B 15/18	3-Punkt Untergruppe	. . . with parts of characters for building up complex characters, e.g. oriental characters
B41B 15/20	2-Punkt Untergruppe	. . Devices for handling or storing character carriers
B41B 15/22	3-Punkt Untergruppe	. . . Magazines
B41B 15/24	3-Punkt Untergruppe	. . . for justifying purposes
B41B 15/26	3-Punkt Untergruppe	. . . for repeating a character

Symbol	Typ	Titel
B41B 15/28	2-Punkt Untergruppe	. . Photographic devices (in general G03)
B41B 15/30	3-Punkt Untergruppe	. . . Composing cameras
B41B 15/32	3-Punkt Untergruppe	. . . Film-handling mechanisms
B41B 15/34	3-Punkt Untergruppe	. . . Adjusting enlargement or register; Correcting exposure time
B41B 17/00	Hauptgruppe	Photographic composing machines having fixed or movable character carriers and without means for composing lines prior to photography
B41B 17/02	1-Punkt Untergruppe	. with manually-adjustable character carriers to enable characters to be photographed in succession
B41B 17/04	1-Punkt Untergruppe	. with a carrier for all characters in at least one fount
B41B 17/06	2-Punkt Untergruppe	. . with an adjustable carrier
B41B 17/08	2-Punkt Untergruppe	. . with a fixed carrier
B41B 17/10	2-Punkt Untergruppe	. . with a continuously-movable carrier
B41B 17/12	2-Punkt Untergruppe	. . with means for moving the optical path for photographing characters, e.g. intermittently
B41B 17/14	3-Punkt Untergruppe	. . . continuously
B41B 17/16	2-Punkt Untergruppe	. . with means for moving the film in its plane for photographing characters in succession
B41B 17/18	1-Punkt Untergruppe	. Details
B41B 17/20	2-Punkt Untergruppe	. . Character carriers; Cleaning devices therefor
B41B 17/22	3-Punkt Untergruppe	. . . with a single character; with a single character in more than one style
B41B 17/24	3-Punkt Untergruppe	. . . with all characters
B41B 17/26	4-Punkt Untergruppe	 on belts
B41B 17/28	4-Punkt Untergruppe	 on polygonal rods
B41B 17/30	4-Punkt Untergruppe	 on a sheet of square or rectangular shape
B41B 17/32	4-Punkt Untergruppe	 on a flat disc
B41B 17/34	4-Punkt Untergruppe	 on a cylinder
B41B 17/36	3-Punkt Untergruppe	. . . with selection indicators
B41B 17/38	3-Punkt Untergruppe	. . . with means for indicating the width
B41B 17/40	4-Punkt Untergruppe	 in caliper form
B41B 17/42	4-Punkt Untergruppe	 in coded form
B41B 19/00	Hauptgruppe	Photoelectronic composing machines [3]
B41B 19/01	1-Punkt Untergruppe	. having electron-beam tubes producing an image of at least one character which is photographed [3]
B41B 19/02	2-Punkt Untergruppe	. . the characters appearing on the screen in succession [3]
B41B 19/04	3-Punkt Untergruppe	. . . at the same place [3]
B41B 19/06	3-Punkt Untergruppe	. . . at different predetermined places [3]
B41B 19/08	2-Punkt Untergruppe	. . with combinations of characters appearing on the screen at the same time [3]

Symbol	Typ	Titel
B41B 19/10	3-Punkt Untergruppe	. . . in unbroken lines or columns [3]
B41B 19/12	3-Punkt Untergruppe	. . . in broken lines or columns [3]
B41B 19/14	3-Punkt Untergruppe	. . . and presenting a text of more than one line [3]
B41B 19/16	2-Punkt Untergruppe	. . Character carriers associated with electron-beam tubes [3]
B41B 21/00	Hauptgruppe	Common details of photographic composing machines of the kinds covered in groups B41B 17/00 and B41B 19/00
B41B 21/02	1-Punkt Untergruppe	. Shutters in optical systems (in general G03B)
B41B 21/04	2-Punkt Untergruppe	. . for selecting characters
B41B 21/06	2-Punkt Untergruppe	. . for adjusting exposures
B41B 21/08	1-Punkt Untergruppe	. Light sources; Devices associated therewith, e.g. control devices
B41B 21/10	2-Punkt Untergruppe	. . Single light sources
B41B 21/12	2-Punkt Untergruppe	. . Stroboscopic light sources
B41B 21/14	2-Punkt Untergruppe	. . Combinations of light sources
B41B 21/16	1-Punkt Untergruppe	. Optical systems (shutters B41B 21/02; light sources B41B 21/08)
B41B 21/18	2-Punkt Untergruppe	. . defining a single optical path
B41B 21/20	3-Punkt Untergruppe	. . . with means for moving stepwise
B41B 21/22	3-Punkt Untergruppe	. . . with means for moving continuously
B41B 21/24	2-Punkt Untergruppe	. . defining multiple optical paths
B41B 21/26	3-Punkt Untergruppe	. . . with means for selecting individual optical paths (means for moving the optical path B41B 17/12)
B41B 21/28	3-Punkt Untergruppe	. . . with means for fount selection
B41B 21/30	1-Punkt Untergruppe	. Electron-beam tubes or charactrons (in general H01J 31/00)
B41B 21/32	1-Punkt Untergruppe	. 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)
B41B 21/34	2-Punkt Untergruppe	. . with positioning mechanisms
B41B 21/36	3-Punkt Untergruppe	. . . for feeding films stepwise in line direction
B41B 21/38	3-Punkt Untergruppe	. . . for feeding films continuously in line direction
B41B 21/40	3-Punkt Untergruppe	. . . for line spacing
B41B 21/42	3-Punkt Untergruppe	. . . for subscript or superscript notation
B41B 21/44	2-Punkt Untergruppe	. . adjustable for enlarging purposes
B41B 23/00	Hauptgruppe	Auxiliary devices for modifying, mixing, or correcting text or layout in connection with photographic or photoelectronic composing
B41B 23/02	1-Punkt Untergruppe	. for mixing by line-by-line projection of parts of texts from a number of films on to another
B41B 23/04	1-Punkt Untergruppe	. for facilitating hand correction of texts

Symbol	Typ	Titel
B41B 23/06	1-Punkt Untergruppe	. for correcting texts by removing incorrect lines from one film and splicing-in corrected lines from another film
<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>		
B41B 25/00	Hauptgruppe	Apparatus specially adapted for preparation of record carriers for controlling composing machines (for casting individual characters or spaces, e.g. in "monotype" machines, B41B 7/04; methods for marking or reproducing record carriers having digital data thereon in general G06K 1/00)
B41B 25/10	1-Punkt Untergruppe	. incorporating devices for line justification, e.g. counting and indicating devices for length of line
B41B 25/12	2-Punkt Untergruppe	. . comprising elements which circulate from and to magazines
B41B 25/14	2-Punkt Untergruppe	. . operating without space bands
B41B 25/16	2-Punkt Untergruppe	. . using a binary code for the width of the matrices
B41B 25/18	1-Punkt Untergruppe	. combined with type-setting machines
B41B 25/20	1-Punkt Untergruppe	. Auxiliary devices; Devices serving special purposes
B41B 25/22	2-Punkt Untergruppe	. . for indicating length of line
B41B 25/24	2-Punkt Untergruppe	. . for error correction
B41B 25/26	2-Punkt Untergruppe	. . for changing the fount of type
B41B 27/00	Hauptgruppe	Control, indicating, or safety devices or systems for composing machines of various kinds or types (computers in general G06F)
B41B 27/02	1-Punkt Untergruppe	. Systems for controlling all operations
B41B 27/04	2-Punkt Untergruppe	. . Keyboards
B41B 27/06	3-Punkt Untergruppe	. . . operable by input of recorded or stored information, e.g. on punched tapes
B41B 27/08	4-Punkt Untergruppe	 from several sources
B41B 27/10	2-Punkt Untergruppe	. . with direct control of all operations by input of recorded or stored information
B41B 27/12	3-Punkt Untergruppe	. . . on tapes
B41B 27/14	4-Punkt Untergruppe	 on punched tapes
B41B 27/16	4-Punkt Untergruppe	 on magnetic tapes
B41B 27/18	3-Punkt Untergruppe	. . . from memory devices
B41B 27/20	4-Punkt Untergruppe	 from electromagnetic devices, e.g. memory matrices
B41B 27/22	3-Punkt Untergruppe	. . . from several sources
B41B 27/24	2-Punkt Untergruppe	. . of several associated machines
B41B 27/26	2-Punkt Untergruppe	. . with means for temporarily arresting input of recorded or stored information to introduce time delays
B41B 27/28	1-Punkt Untergruppe	. 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)
B41B 27/30	2-Punkt Untergruppe	. . for arresting or varying speed of one operation in response to failure or variation in speed of another operation
B41B 27/32	2-Punkt Untergruppe	. . for line-justification operations

Symbol	Typ	Titel
B41B 27/34	3-Punkt Untergruppe	. . . without the use of space bands
B41B 27/36	3-Punkt Untergruppe	. . . using electronic devices
B41B 27/38	2-Punkt Untergruppe	. . for measuring length of composed lines; for reading composed characters
B41B 27/40	2-Punkt Untergruppe	. . for proof-printing operations
B41B 27/41	2-Punkt Untergruppe	. . Printing mechanisms coupled to typographical composing machines
B41B 27/42	2-Punkt Untergruppe	. . for controlling selection of shifting of matrix magazines
B41B 27/44	2-Punkt Untergruppe	. . for controlling assembly of matrices and space bands
B41B 27/46	3-Punkt Untergruppe	. . . for controlling insertion of space bands (for line justification B41B 27/32)
B41B 27/48	2-Punkt Untergruppe	. . for deleting errors or inserting corrections (devices, non-fluid media or methods for cancelling or correcting errors in typewriters or selective printing mechanisms B41J 29/26)
B41B 27/50	2-Punkt Untergruppe	. . operated by coupled machines