

CPC COOPERATIVE PATENT CLASSIFICATION

G PHYSICS (NOTES omitted)

INSTRUMENTS

G06 COMPUTING; CALCULATING; COUNTING (NOTES omitted)

G06C DIGITAL COMPUTERS IN WHICH ALL THE COMPUTATION IS EFFECTED MECHANICALLY (score computers for card games [A63F 1/18](#); construction of keys, printing mechanisms or other parts of general application to the typewriting or printing art [B41](#); keys or printing mechanisms for special applications, see the relevant subclasses, e.g. [G05G](#), [G06K](#); cash registers [G07G 1/00](#))

NOTE

Details of mechanisms covered in main groups [G06C 9/00](#), [G06C 11/00](#) or [G06C 15/00](#), which are applicable to mechanical counters driven only through the lowest denomination, are classified in [G06M](#)

WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00	Computing aids in which the computing members form at least part of the displayed result and manipulated directly by hand, e.g. abacus, pocket adding device	11/04	• with printing mechanisms, e.g. for character-at-a-time or line-at-a-time printing
		11/06	• • having type hammers
		11/08	• with punching mechanism
3/00	Arrangements for table look-up, e.g. menstruation table	11/10	• Arrangements for feeding single sheets or continuous web or tape, e.g. ejection device (conveying record carriers G06K 13/00); Line-spacing devices
5/00	Non-functional elements		
5/02	• Housings; Frameworks	11/12	• • for feeding tape
7/00	Input mechanisms (pin carriage G06C 13/02)	13/00	Storage mechanisms (mechanical counters with input only to the lowest order G06M; information storage in general G11)
7/02	• Keyboards		
7/04	• • Interlocking devices, e.g. between keys (interlocking devices covered by this subclass, per se G06C 25/00)	13/02	• Operand stores, e.g. pin carriage (input mechanisms G06C 7/00)
7/06	• • with one set of keys for each denomination	13/04	• Print buffer stores
7/08	• • with one set of keys for all denominations, e.g. ten-key board	15/00	Computing mechanisms; Actuating devices therefor (mechanisms for operating automatically upon more than two numbers otherwise than by repeated addition or subtraction G06C 21/00)
7/09	• Transfer of data from record carrier to computing mechanisms (sensing record carriers G06K 7/00)		<u>NOTE</u>
7/10	• Transfer mechanisms, e.g. transfer of a figure from a ten-key keyboard into the pin carriage		Group G06C 15/00 takes precedence over groups G06C 15/04 - G06C 15/42
7/12	• Resetting devices, e.g. for the keyboard		
9/00	Transfer mechanisms, e.g. for transmitting figures from the input mechanism into the computing mechanism (G06C 7/10, G06C 11/00, G06C 15/00 take precedence)	15/02	• operating on the binary scale
		15/04	• Adding or subtracting devices (G06C 15/08 takes precedence)
9/02	• Back-transfer arrangements, e.g. to transfer a value accumulated in a register back into the selection mechanism	15/06	• • having balance totalising; Obtaining sub-total
		15/08	• Multiplying or dividing devices; Devices for computing the exponent or root
11/00	Output mechanism (marking record carriers in general, visual presentation in general of results of the mathematical operations G06K)	15/10	• • having more than one denominational set of keys operating directly on computing mechanism
		15/12	• • having pin carriage
11/02	• with visual indication, e.g. counter drum	15/14	• • having pin wheel, e.g. Odhner type

15/16	• . having stepped-toothed actuating drums, e.g. Thomas type	27/00	Computing machines characterised by the structural interrelation of their functional units, e.g. invoicing machines
15/18	• . having multiplication table for forming partial products	29/00	Combinations of computing machines with other machines, e.g. with typewriter, with money-changing apparatus
15/20	• . adapted for short-cut multiplication or division		
15/22	• Arrangements for two or more computing devices; Arrangements for subdivision into two or more computing mechanisms, e.g. splitting		
15/24	• Devices for counting the cycles of operation in division or multiplication (item counting devices G06C 25/02)		
15/26	• Devices for transfer between orders, e.g. tens transfer device		
15/28	• . where transfer is effected in one step		
15/30	• . where transfer is effected in two steps		
15/32	• . . with provision for simultaneous transfer between all orders		
15/34	• . where transfer is affected by planet gear, i.e. crawl type		
15/36	• . . with aligning means		
15/38	• . for pin-wheel computing mechanisms		
15/40	• . for stepped toothed drum computing mechanism		
15/42	• Devices for resetting to zero or other datum		
15/44	• Devices for comparing numerical values, e.g. zero check		
15/46	• Arrangements for rounding-off		
15/48	• Arrangements for selection of one out of several counting registers (arrangements for controlling subsequent operating functions G06C 21/04 ; item counters G06C 25/02)		
17/00	Mechanisms for converting from one notational system to another, i.e. radix conversion		
19/00	Decimal-point mechanisms; Analogous mechanisms for non-decimal notations		
19/02	• Devices for indicating the point		
19/04	• Devices for printing the point		
21/00	Programming mechanisms for determining steps to be performed by the computing machine, e.g. when a key or certain keys are depressed (mechanisms merely for producing multiplication by repeated addition G06C 15/08)		
21/02	• in which the operation of the mechanism is determined by the position of the carriage		
21/04	• Conditional arrangements for controlling subsequent operating functions, e.g. control arrangement triggered by a function key and depending on the condition of the register (arrangements for selection of one cut of several counting registers G06C 15/48)		
23/00	Driving mechanisms for functional elements (G06C 23/08 takes precedence over G06C 23/02 - G06C 23/06)		
23/02	• of main shaft		
23/04	• of pin carriage, e.g. for step-by-step movement		
23/06	• of tabulation devices, e.g. of carriage skip		
23/08	• Hydraulic or pneumatic actuation		
25/00	Auxiliary functional arrangements, e.g. interlocks (interlocks in keyboards G06C 7/04)		
25/02	• Item-counting devices (devices for counting the cycles of operation in division or multiplication G06C 15/24)		