

CPC**COOPERATIVE PATENT CLASSIFICATION****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](#)

G06C 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

G06C 3/00

Arrangements for table look-up, e.g. menstruation table

G06C 5/00

Non-functional elements

[G06C 5/02](#)

- . Housing; Frameworks

G06C 7/00

Input mechanisms (pin carriage [G06C 13/02](#))

[G06C 7/02](#)

- . Keyboards

[G06C 7/04](#)

- . . Interlocking devices, e.g. between keys (interlocking devices covered by this subclass, per se [G06C 25/00](#))

[G06C 7/06](#)

- . . with one set of keys for each denomination

[G06C 7/08](#)

- . . with one set of keys for all denominations, e.g. ten-key board

[G06C 7/09](#)

- . Transfer of data from record carrier to computing mechanisms ([sensing record carriers G06K 7/00](#))

[G06C 7/10](#)

- . Transfer mechanisms, e.g. transfer of a figure from a ten-key keyboard into the pin carriage

[G06C 7/12](#)

- . Resetting devices, e.g. for the key-board

G06C 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)

[G06C 9/02](#)

- . Back-transfer arrangements, e.g. to transfer a value accumulated in a register back into the selection mechanism

G06C 11/00

Output mechanism (marking record carriers in general, visual presentation in general of results of the mathematical operations [G06K](#))

[G06C 11/02](#)

- . with visual indication, e.g. counter drum

[G06C 11/04](#)

- . with printing mechanisms, e.g. for character-at-a-time or line-at-a-time printing

- G06C 11/06 . . . having type hammers
- G06C 11/08 . . with punching mechanism
- G06C 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
- G06C 11/12 . . . for feeding tape

G06C 13/00 **Storage mechanisms** ([mechanical counters with input only to the lowest order G06M](#); [information storage in general G11](#))

- G06C 13/02 . . Operand stores, e.g. pin carriage ([input mechanisms G06C 7/00](#))
- G06C 13/04 . . print buffer stores

G06C 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](#))

NOTE

Group [G06C 15/00](#) takes precedence over groups [G06C 15/04](#) to [G06C 15/42](#)

- G06C 15/02 . . operating on the binary scale
- G06C 15/04 . . Adding or subtracting devices ([G06C 15/08](#) takes precedence)
- G06C 15/06 . . . having balance totalising; Obtaining sub-total
- G06C 15/08 . . Multiplying or dividing devices; Devices for computing the exponent or root
- G06C 15/10 . . . having more than one denominational set of keys operating directly on computing mechanism
- G06C 15/12 . . . having pin carriage
- G06C 15/14 . . . having pin wheel, e.g. Odhner type
- G06C 15/16 . . . having stepped-toothed actuating drums, e.g. Thomas type
- G06C 15/18 . . . having multiplication table for forming partial products
- G06C 15/20 . . . adapted for short-cut multiplication or division
- G06C 15/22 . . Arrangements for two or more computing devices; Arrangements for subdivision into two or more computing mechanisms, e.g. splitting
- G06C 15/24 . . Devices for counting the cycles of operation in division or multiplication ([item counting devices G06C 25/02](#))
- G06C 15/26 . . Devices for transfer between order, e.g. tens transfer device
- G06C 15/28 . . . where transfer is effected in one step
- G06C 15/30 . . . where transfer is effected in two steps
- G06C 15/32 with provision for simultaneous transfer between all orders
- G06C 15/34 . . . where transfer is effected by planet gear, i.e. crawl type
- G06C 15/36 with aligning means
- G06C 15/38 . . . for pin-wheel computing mechanisms
- G06C 15/40 . . . for stepped toothed drum computing mechanism
- G06C 15/42 . . Devices for resetting to zero or other datum
- G06C 15/44 . . Devices for comparing numerical values, e.g. zero check

G06C 15/46	<ul style="list-style-type: none"> Arrangements for rounding-off
G06C 15/48	<ul style="list-style-type: none"> Arrangements for selection of one out of several counting registers (arrangements for controlling subsequent operating functions G06C 21/04; item counters G06C 25/02)
G06C 17/00	Mechanisms for converting from one notational system to another, i.e. radix conversion
G06C 19/00	Decimal-point mechanisms; Analogous mechanisms for non-decimal notations
G06C 19/02	<ul style="list-style-type: none"> Devices for indicating the point
G06C 19/04	<ul style="list-style-type: none"> Devices for printing the point
G06C 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)
G06C 21/02	<ul style="list-style-type: none"> in which the operation of the mechanism is determined by the position of the carriage
G06C 21/04	<ul style="list-style-type: none"> 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 out of several counting registers G06C 15/48)
G06C 23/00	Driving mechanisms for functional elements (G06C 23/08 takes precedence over G06C 23/02 to G06C 23/06)
G06C 23/02	<ul style="list-style-type: none"> of main shaft
G06C 23/04	<ul style="list-style-type: none"> of pin carriage, e.g. for step-by-step movement
G06C 23/06	<ul style="list-style-type: none"> of tabulation devices, e.g. of carriage skip
G06C 23/08	<ul style="list-style-type: none"> Hydraulic or pneumatic actuation
G06C 25/00	Auxiliary functional arrangements, e.g. interlocks (interlocks in keyboards G06C 7/04)
G06C 25/02	<ul style="list-style-type: none"> Item-counting devices (devices for counting the cycles of operation in division or multiplication G06C 15/24)
G06C 27/00	Computing machines characterised by the structural interrelation of their functional units, e.g. invoicing machines
G06C 29/00	Combinations of computing machines with other machines, e.g. with typewriter, with money-changing apparatus