

**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 . Arrangements for rounding-off
  
- G06C 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](#) )
  
- 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 . Devices for indicating the point
- G06C 19/04 . 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 . in which the operation of the mechanism is determined by the position of the carriage
- G06C 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 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 . of main shaft
- G06C 23/04 . of pin carriage, e.g. for step-by-step movement
- G06C 23/06 . of tabulation devices, e.g. of carriage skip
- G06C 23/08 . Hydraulic or pneumatic actuation

- G06C 25/00**      **Auxiliary functional arrangements, e.g. interlocks ( [interlocks in keyboards](#) [G06C 7/04](#) )**
- G06C 25/02      .    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**