

ECLA EUROPEAN CLASSIFICATION

- G06C** **DIGITAL COMPUTERS IN WHICH ALL THE COMPUTATION IS EFFECTED MECHANICALLY** (score computers for card games [A63F1/18](#); 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 [G07G1/00](#))
- Note**
Details of mechanisms covered in main groups [G06C9/00](#), [G06C11/00](#) or [G06C15/00](#), which are applicable to mechanical counters driven only through the lowest denomination, are classified in G06M
- G06C1/00** **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**
- G06C3/00** **Arrangements for table look-up, e.g. menstruation table**
- G06C5/00** **Non-functional elements**
- G06C5/02 . Housing; Frameworks
- G06C7/00** **Input mechanisms** (pin carriage [G06C13/02](#))
- G06C7/02 . Keyboards
- G06C7/04 . . Interlocking devices, e.g. between keys (interlocking devices covered by this subclass, per se [G06C25/00](#))
- G06C7/06 . . with one set of keys for each denomination
- G06C7/08 . . with one set of keys for all denominations, e.g. ten-key board
- G06C7/09 . Transfer of data from record carrier to computing mechanisms ([sensing record carriers G06K7/00](#))
- G06C7/10 . Transfer mechanisms, e.g. transfer of a figure from a ten-key keyboard into the pin carriage
- G06C7/12 . Resetting devices, e.g. for the key-board
- G06C9/00** **Transfer mechanisms, e.g. for transmitting figures from the input mechanism into the computing mechanism** ([G06C7/10](#), [G06C11/00](#), [G06C15/00](#) take precedence)
- G06C9/02 . Back-transfer arrangements, e.g. to transfer a value accumulated in a register back into the selection mechanism
- G06C11/00** **Output mechanism** (marking record carriers in general, visual presentation in general of results of the mathematical operations [G06K](#))

- G06C11/02 . with visual indication, e.g. counter drum
- G06C11/04 . with printing mechanisms, e.g. for character-at-a-time or line-at-a-time printing
- G06C11/06 . . having type hammers
- G06C11/08 . with punching mechanism
- G06C11/10 . Arrangements for feeding single sheets or continuous web or tape, e.g. ejection device ([conveying record carriers G06K13/00](#)); Line-spacing devices
- G06C11/12 . . for feeding tape

- G06C13/00** **Storage mechanisms** (mechanical counters with input only to the lowest order [G06M](#); information storage in general [G11](#))

- G06C13/02 . Operand stores, e.g. pin carriage ([input mechanisms G06C7/00](#))
- G06C13/04 . print buffer stores

- G06C15/00** **Computing mechanisms; Actuating devices therefor** (mechanisms for operating automatically upon more than two numbers otherwise than by repeated addition or subtraction [G06C21/00](#))

- Note**
Group [G06C15/00](#) takes precedence over groups [G06C15/04](#) to [G06C15/42](#)

- G06C15/02 . operating on the binary scale
- G06C15/04 . Adding or subtracting devices ([G06C15/08](#) takes precedence)
- G06C15/06 . . having balance totalising; Obtaining sub-total
- G06C15/08 . Multiplying or dividing devices; Devices for computing the exponent or root
- G06C15/10 . . having more than one denominational set of keys operating directly on computing mechanism
- G06C15/12 . . having pin carriage
- G06C15/14 . . having pin wheel, e.g. Odhner type
- G06C15/16 . . having stepped-toothed actuating drums, e.g. Thomas type
- G06C15/18 . . having multiplication table for forming partial products
- G06C15/20 . . adapted for short-cut multiplication or division
- G06C15/22 . Arrangements for two or more computing devices; Arrangements for subdivision into two or more computing mechanisms, e.g. splitting
- G06C15/24 . Devices for counting the cycles of operation in division or multiplication ([item counting devices G06C25/02](#))
- G06C15/26 . Devices for transfer between order, e.g. tens transfer device
- G06C15/28 . . where transfer is effected in one step
- G06C15/30 . . where transfer is effected in two steps

- G06C15/32 . . . with provision for simultaneous transfer between all orders
- G06C15/34 . . where transfer is affected by planet gear, i.e. crawl type
- G06C15/36 . . . with aligning means
- G06C15/38 . . for pin-wheel computing mechanisms
- G06C15/40 . . for stepped toothed drum computing mechanism

- G06C15/42 . Devices for resetting to zero or other datum

- G06C15/44 . Devices for comparing numerical values, e.g. zero check

- G06C15/46 . Arrangements for rounding-off

- G06C15/48 . Arrangements for selection of one out of several counting registers ([arrangements for controlling subsequent operating functions G06C21/04](#); item counters [G06C25/02](#))

- G06C17/00** **Mechanisms for converting from one notational system to another, i.e. radix conversion**

- G06C19/00** **Decimal-point mechanisms; Analogous mechanisms for non-decimal notations**

- G06C19/02 . Devices for indicating the point
- G06C19/04 . Devices for printing the point

- G06C21/00** **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 G06C15/08](#))

- G06C21/02 . in which the operation of the mechanism is determined by the position of the carriage
- G06C21/04 . 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 G06C15/48](#))

- G06C23/00** **Driving mechanisms for functional elements** ([G06C23/08](#) takes precedence over [G06C23/02](#) to [G06C23/06](#))

- G06C23/02 . of main shaft
- G06C23/04 . of pin carriage, e.g. for step-by-step movement
- G06C23/06 . of tabulation devices, e.g. of carriage skip
- G06C23/08 . Hydraulic or pneumatic actuation

- G06C25/00** **Auxiliary functional arrangements, e.g. interlocks** ([interlocks in keyboards G06C7/04](#))

- G06C25/02 . Item-counting devices ([devices for counting the cycles of operation in division or](#)

(multiplication [G06C15/24](#))

G06C27/00

Computing machines characterised by the structural interrelation of their functional units, e.g. invoicing machines

G06C29/00

Combinations of computing machines with other machines, e.g. with typewriter, with money-changing apparatus