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

11/10  . . Arrangements for feeding single sheets or continuous web or tape, e.g. ejection device (conveying record carriers G06K 13/00); Linespacing devices

11/12  . . for feeding tape

2/00  Arrangements for table look-up, e.g. menstruation table

3/00  Non-functional elements

4/02  Housings; Frameworks

5/00  Input mechanisms (pin carriage G06C 13/02)

7/02  Keyboards

7/04  . . Interlocking devices, e.g. between keys (interlocking devices covered by this subclass, per G06C 25/00)

7/06  . . with one set of keys for each denomination

7/08  . . with one set of keys for all denominations, e.g. ten-key board

7/09  . . Transfer of data from record carrier to computing mechanisms (sensing record carriers G06K 7/00)

7/10  . . Transfer mechanisms, e.g. transfer of a figure from a ten-key keyboard into the pin carriage

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)

9/02  . . Back-transfer arrangements, e.g. to transfer a value accumulated in a register back into the selection mechanism

11/00  Output mechanism (marking record carriers in general, visual presentation in general of results of the mathematical operations G06K)

11/02  . with visual indication, e.g. counter drum

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

13/02  . Operand stores, e.g. pin carriage (input mechanisms G06C 7/00)

13/04  . Print buffer stores

15/00  Computing mechanisms; Actuating devices therefor (mechanisms for operating automatically upon more than two numbers otherwise than by repeated addition or substraction G06C 21/00)

NOTE
Group G06C 15/00 takes precedence over groups G06C 15/04 - G06C 15/42

15/02  . operating on the binary scale

15/04  . Adding or subtracting devices (G06C 15/08 takes precedence)

15/06  . . having balance totalising; Obtaining sub-total

15/08  . . Multiplying or dividing devices; Devices for computing the exponent or root

15/10  . . having more than one denominational set of keys operating directly on computing mechanism

15/12  . . having pin carriage

15/14  . . having pin wheel, e.g. Odhner type
having stepped-toothed actuating drums, e.g. Thomas type
having multiplication table for forming partial products
adapted for short-cut multiplication or division
Arrangements for two or more computing devices; Arrangements for subdivision into two or more computing mechanisms, e.g. splitting
Devices for counting the cycles of operation in division or multiplication (item counting devices G06C 25/02)
Devices for transfer between orders, e.g. tens transfer device
where transfer is effected in one step
where transfer is effected in two steps
with provision for simultaneous transfer between all orders
where transfer is affected by planet gear, i.e. crawl type
with aligning means
for pin-wheel computing mechanisms
for stepped toothed drum computing mechanism
Devices for resetting to zero or other datum
Devices for comparing numerical values, e.g. zero check
Arrangements for rounding-off
Arrangements for selection of one out of several counting registers (arrangements for controlling subsequent operating functions G06C 21/04; item counters G06C 25/02)
Mechanisms for converting from one notational system to another, i.e. radix conversion
Decimal-point mechanisms; Analogous mechanisms for non-decimal notations
Devices for indicating the point
Devices for printing the point
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)
in which the operation of the mechanism is determined by the position of the carriage
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)
Driving mechanisms for functional elements (G06C 23/08 takes precedence over G06C 23/02 - G06C 23/06)
of main shaft
of pin carriage, e.g. for step-by-step movement
of tabulation devices, e.g. of carriage skip
Hydraulic or pneumatic actuation
Auxiliary functional arrangements, e.g. interlocks (interlocks in keyboards G06C 7/04)
Item-counting devices (devices for counting the cycles of operation in division or multiplication G06C 15/24)