CPC COOPERATIVE PATENT CLASSIFICATION

G PHYSICS
(NOTES omitted)

INSTRUMENTS

G06 COMPUTING; CALCULATING OR COUNTING
(NOTES omitted)

G06C DIGITAL COMPUTERS IN WHICH ALL THE COMPUTATION IS EFFECTED MECHANICALLY (score computers for card games A63F 1/18)

NOTE

This subclass does not cover details of mechanisms covered by main groups G06C 9/00, G06C 11/00 or G06C 15/00, which are applicable to mechanical counters driven only through the lowest denomination. Such details are covered by subclass G06M.

1/00	**Computing aids in which the computing members form at least part of the displayed result and are manipulated directly by hand, e.g. abacuses or pocket adding devices**
3/00	**Arrangements for table look-up, e.g. menstruation table**
5/00	**Non-functional elements**
5/02	. Housings; Frameworks
7/00	**Input mechanisms**
7/02	. Keyboards
7/04	. . Interlocking devices, e.g. between keys
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
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 mechanisms**
11/02	. with visual indication, e.g. counter drum
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; Line-spacing devices
11/12	. . for feeding tape
13/00	**Storage mechanisms** (mechanical counters with input only to the lowest order G06M 1/04)

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**
15/02	. operating on the binary scale

NOTE

Group G06C 15/02 takes precedence over groups G06C 15/04 - G06C 15/42.

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
15/16	. . having stepped-toothed actuating drums, e.g. Thomas type
15/18	. . having multiplication table for forming partial products
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
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 effected 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 (item-counting devices 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 the 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 out of several counting registers G06C 15/48)

23/00 Driving mechanisms for functional elements

> **NOTE**
>
> Group G06C 23/08 takes precedence over groups 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)

27/00 Computing machines characterised by the structural interrelation of their functional units, e.g. invoicing machines

29/00 Combinations of computing machines with other machines, e.g. with typewriter, with money-changing apparatus