

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 |
| 3/00 | Arrangements for table look-up, e.g. menstruation table | 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 |
| 5/00 | Non-functional elements | | |
| 5/02 | • Housings; Frameworks | 11/12 | • • for feeding tape |
| 7/00 | Input mechanisms (pin carriage G06C 13/02) | 13/00 | Storage mechanisms (mechanical counters with input only to the lowest order G06M; information storage in general G11) |
| 7/02 | • Keyboards | | |
| 7/04 | • • Interlocking devices, e.g. between keys (interlocking devices covered by this subclass, per se G06C 25/00) | 13/02 | • Operand stores, e.g. pin carriage (input mechanisms G06C 7/00) |
| 7/06 | • • with one set of keys for each denomination | 13/04 | • Print buffer stores |
| 7/08 | • • with one set of keys for all denominations, e.g. ten-key board | 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) |
| 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) | 15/02 | • operating on the binary scale |
| | | 15/04 | • Adding or subtracting devices (G06C 15/08 takes precedence) |
| 9/02 | • Back-transfer arrangements, e.g. to transfer a value accumulated in a register back into the selection mechanism | 15/06 | • • having balance totalising; Obtaining sub-total |
| | | 15/08 | • Multiplying or dividing devices; Devices for computing the exponent or root |
| 11/00 | Output mechanism (marking record carriers in general, visual presentation in general of results of the mathematical operations G06K) | 15/10 | • • having more than one denominational set of keys operating directly on computing mechanism |
| | | 15/12 | • • having pin carriage |
| 11/02 | • with visual indication, e.g. counter drum | 15/14 | • • having pin wheel, e.g. Odhner type |

NOTE

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

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|-------|---|-------|--|
| 15/16 | <ul style="list-style-type: none"> • having stepped-toothed actuating drums, e.g. Thomas type | 27/00 | Computing machines characterised by the structural interrelation of their functional units, e.g. invoicing machines |
| 15/18 | <ul style="list-style-type: none"> • having multiplication table for forming partial products | 29/00 | Combinations of computing machines with other machines, e.g. with typewriter, with money-changing apparatus |
| 15/20 | <ul style="list-style-type: none"> • adapted for short-cut multiplication or division | | |
| 15/22 | <ul style="list-style-type: none"> • Arrangements for two or more computing devices; Arrangements for subdivision into two or more computing mechanisms, e.g. splitting | | |
| 15/24 | <ul style="list-style-type: none"> • Devices for counting the cycles of operation in division or multiplication (item counting devices G06C 25/02) | | |
| 15/26 | <ul style="list-style-type: none"> • Devices for transfer between orders, e.g. tens transfer device | | |
| 15/28 | <ul style="list-style-type: none"> • where transfer is effected in one step | | |
| 15/30 | <ul style="list-style-type: none"> • where transfer is effected in two steps | | |
| 15/32 | <ul style="list-style-type: none"> • with provision for simultaneous transfer between all orders | | |
| 15/34 | <ul style="list-style-type: none"> • where transfer is affected by planet gear, i.e. crawl type | | |
| 15/36 | <ul style="list-style-type: none"> • with aligning means | | |
| 15/38 | <ul style="list-style-type: none"> • for pin-wheel computing mechanisms | | |
| 15/40 | <ul style="list-style-type: none"> • for stepped toothed drum computing mechanism | | |
| 15/42 | <ul style="list-style-type: none"> • Devices for resetting to zero or other datum | | |
| 15/44 | <ul style="list-style-type: none"> • Devices for comparing numerical values, e.g. zero check | | |
| 15/46 | <ul style="list-style-type: none"> • Arrangements for rounding-off | | |
| 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) | | |
| 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 | <ul style="list-style-type: none"> • Devices for indicating the point | | |
| 19/04 | <ul style="list-style-type: none"> • Devices for printing the point | | |
| 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) | | |
| 21/02 | <ul style="list-style-type: none"> • in which the operation of the mechanism is determined by the position of the carriage | | |
| 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 cut of several counting registers G06C 15/48) | | |
| 23/00 | Driving mechanisms for functional elements (G06C 23/08 takes precedence over G06C 23/02 - G06C 23/06) | | |
| 23/02 | <ul style="list-style-type: none"> • of main shaft | | |
| 23/04 | <ul style="list-style-type: none"> • of pin carriage, e.g. for step-by-step movement | | |
| 23/06 | <ul style="list-style-type: none"> • of tabulation devices, e.g. of carriage skip | | |
| 23/08 | <ul style="list-style-type: none"> • Hydraulic or pneumatic actuation | | |
| 25/00 | Auxiliary functional arrangements, e.g. interlocks (interlocks in keyboards G06C 7/04) | | |
| 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) | | |