

CPC COOPERATIVE PATENT CLASSIFICATION

G PHYSICS (NOTES omitted)

INSTRUMENTS

G01 MEASURING; TESTING (NOTES omitted)

G01G WEIGHING (sorting by weighing [B07C 5/16](#))

NOTE

Attention is drawn to the Notes following the title of class [G01](#).

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.

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| 1/00 | Weighing apparatus involving the use of a counterweight or other counterbalancing mass | 1/42 | . . Temperature compensating arrangements |
| 1/02 | . Pendulum-weight apparatus | 3/00 | Weighing apparatus characterised by the use of elastically-deformable members, e.g. spring balances |
| 1/025 | . . {with variable cam radius or variable counterpoise pendulum} | 3/02 | . wherein the weighing element is in the form of a helical spring |
| 1/04 | . . the pendulum having a fixed pivot axis | 3/04 | . . using a plurality of springs |
| 1/06 | . . . with a plurality of pendulums | 3/06 | . wherein the weighing element is in the form of a spiral spring |
| 1/08 | . . the pendulum having a moving pivot axis, e.g. a floating pendulum | 3/08 | . wherein the weighing element is in the form of a leaf spring |
| 1/10 | . . . with a plurality of pendulums | 3/10 | . wherein the torsional deformation of a weighing element is measured |
| 1/12 | . . Constructional arrangements for obtaining equal indicative divisions | 3/12 | . wherein the weighing element is in the form of a solid body stressed by pressure or tension during weighing |
| 1/14 | . . Temperature compensating arrangements | 3/125 | . . {wherein the weighing element is an optical member} |
| 1/16 | . . Means for correcting for obliquity of mounting | 3/13 | . . having piezo-electric or piezo-resistive properties |
| 1/18 | . Balances involving the use of a pivoted beam, i.e. beam balances | 3/14 | . . measuring variations of electrical resistance (G01G 3/13 takes precedence) |
| 1/185 | . . {Two draft weighing apparatus, e.g. tandem scales systems} | 3/1402 | . . . {Special supports with preselected places to mount the resistance strain gauges; Mounting of supports} |
| 1/20 | . . Beam balances having the pans carried below the beam, and for use with separate counterweights | 3/1404 | {combined with means to connect the strain gauges on electrical bridges} |
| 1/22 | . . . for precision weighing | 3/1406 | {combined with special measuring circuits} |
| 1/24 | . . Platform-type scales, i.e. having the pans carried above the beam | 3/1408 | {the supports being of the column type, e.g. cylindric} |
| 1/243 | . . . {having pans carried above the beam} | 3/141 | {the supports being disc or ring shaped} |
| 1/246 | {of the parallelogram type} | 3/1412 | {the supports being parallelogram shaped} |
| 1/26 | . . with associated counterweight or set of counterweights | 3/1414 | . . . {Arrangements for correcting or for compensating for unwanted effects} |
| 1/28 | . . . involving means for automatically lifting counterweights corresponding to the load | 3/1416 | {for non-linearity} |
| 1/29 | with electrical or electromechanical control means | 3/1418 | {for temperature variations} |
| 1/30 | . . . wherein the counterweight is in the form of a chain | 3/142 | . . . Circuits specially adapted therefor |
| 1/32 | . . . wherein the counterweights are in the form of rider-weights | 3/145 | involving comparison with a reference value (G01G 3/147 takes precedence) |
| 1/34 | . . . involving a fixed counterweight, with poise-weights selectively added to the load side | 3/147 | involving digital counting |
| 1/36 | . . . wherein the counterweights are slideable along the beam, e.g. steelyards | 3/15 | . . measuring variations of magnetic properties |
| 1/38 | with automatically-driven counterweight | | |
| 1/40 | . . specially adapted for weighing by substitution | | |

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| 3/16 | <ul style="list-style-type: none"> measuring variations of frequency of oscillations of the body | 13/00 | Weighing apparatus with automatic feed or discharge for weighing-out batches of material (for weighing a continuous stream G01G 11/00 ; check-weighing G01G 15/00 ; for fluids G01G 17/04 ; apportioning by weight materials to be mixed G01G 19/22 ; combinatorial weighing G01G 19/387) |
| 3/165 | <ul style="list-style-type: none"> {Constructional details} | 13/003 | <ul style="list-style-type: none"> {Details; specially adapted accessories (details of weighing apparatus in general G01G 21/00; auxiliary devices for weighing apparatus in general G01G 23/00)} |
| 3/18 | <ul style="list-style-type: none"> Temperature-compensating arrangements | 13/006 | <ul style="list-style-type: none"> {Container supply or discharge mechanism (means for automatic loading or discharging G01G 13/02, G01G 13/16, G01G 13/24)} |
| 5/00 | Weighing apparatus wherein the balancing is effected by fluid action | 13/02 | <ul style="list-style-type: none"> Means for automatically loading weigh pans or other receptacles, e.g. disposable containers, under control of the weighing mechanism |
| 5/003 | <ul style="list-style-type: none"> {load-cell construction or mountings} | 13/022 | <ul style="list-style-type: none"> {Material feeding devices (G01G 13/04 - G01G 13/14 take precedence)} |
| 5/006 | <ul style="list-style-type: none"> {with pneumatic means} | 13/024 | <ul style="list-style-type: none"> {by gravity} |
| 5/02 | <ul style="list-style-type: none"> with a float or other member variably immersed in liquid | 13/026 | <ul style="list-style-type: none"> {by mechanical conveying means, e.g. belt or vibratory conveyor} |
| 5/04 | <ul style="list-style-type: none"> with means for measuring the pressure imposed by the load on a liquid (pressure gauges per se G01L) | 13/028 | <ul style="list-style-type: none"> {by pneumatic carrying means} |
| 5/045 | <ul style="list-style-type: none"> {combined with means for totalising the pressure imposed by several load-cells} | 13/04 | <ul style="list-style-type: none"> involving dribble-feed means controlled by the weighing mechanism to top up the receptacle to the target weight |
| 5/06 | <ul style="list-style-type: none"> with electrical indicating means | 13/06 | <ul style="list-style-type: none"> wherein the main feed is effected by gravity from a hopper or chute |
| 7/00 | Weighing apparatus wherein the balancing is effected by magnetic, electromagnetic, or electrostatic action, or by means not provided for in the preceding groups | 13/08 | <ul style="list-style-type: none"> wherein the main feed is effected by mechanical conveying means, e.g. by belt conveyors, by vibratory conveyors |
| 7/02 | <ul style="list-style-type: none"> by electromagnetic action | 13/10 | <ul style="list-style-type: none"> wherein the main feed is effected by pneumatic conveying means, e.g. by fluidised feed of granular material |
| 7/04 | <ul style="list-style-type: none"> with means for regulating the current to solenoids | 13/12 | <ul style="list-style-type: none"> Arrangements for compensating for material suspended at cut-off, i.e. for material which is still falling from the feeder when the weigher stops the feeder |
| 7/045 | <ul style="list-style-type: none"> {having a PID control system} | 13/14 | <ul style="list-style-type: none"> Arrangements for determination of, or compensation for, the tare weight of an unloaded container, e.g. of a disposable container |
| 7/06 | <ul style="list-style-type: none"> by electrostatic action | 13/16 | <ul style="list-style-type: none"> Means for automatically discharging weigh receptacles under control of the weighing mechanism |
| 9/00 | Methods or apparatus for the determination of weight not otherwise provided for | 13/18 | <ul style="list-style-type: none"> by valves or flaps in the container bottom |
| 9/005 | <ul style="list-style-type: none"> {using radiations, e.g. radioactive (analysing materials by the use of wave or particle radiation G01N 23/00)} | 13/20 | <ul style="list-style-type: none"> by screw conveyors in the weigh receptacle |
| 11/00 | Apparatus for weighing a continuous stream of material during flow; Conveyor belt weighers | 13/22 | <ul style="list-style-type: none"> by tilting or rotating the weigh receptacle |
| 11/003 | <ul style="list-style-type: none"> {Details; specially adapted accessories (details of weighing apparatus in general G01G 21/00; auxiliary devices for weighing apparatus in general G01G 23/00)} | 13/24 | <ul style="list-style-type: none"> Weighing mechanism control arrangements for automatic feed or discharge |
| 11/006 | <ul style="list-style-type: none"> {Special taring or checking devices therefor (devices for determining tare weight in general G01G 23/14)} | 13/241 | <ul style="list-style-type: none"> {Bulk-final weighing apparatus, e.g. rough weighing balance combined with separate fine weighing balance} |
| 11/02 | <ul style="list-style-type: none"> having mechanical weight-sensitive devices | 13/242 | <ul style="list-style-type: none"> {Twin weighing apparatus; weighing apparatus using single load carrier and a plurality of weigh pans coupled alternately with the load carrier; weighing apparatus with two or more alternatively used weighing devices} |
| 11/025 | <ul style="list-style-type: none"> {combined with totalising or integrating devices} | 13/243 | <ul style="list-style-type: none"> {using a single load carrier} |
| 11/04 | <ul style="list-style-type: none"> having electrical weight-sensitive devices | 13/244 | <ul style="list-style-type: none"> {with a single weighing receptacle divided into two or more alternatively used sections} |
| 11/043 | <ul style="list-style-type: none"> {combined with totalising or integrating devices} | 13/245 | <ul style="list-style-type: none"> {the weighing receptacles being rockable or oscillating} |
| 11/046 | <ul style="list-style-type: none"> {involving digital counting} | 13/246 | <ul style="list-style-type: none"> {the weighing apparatus being rotatable} |
| 11/06 | <ul style="list-style-type: none"> having fluid weight-sensitive devices | | |
| 11/065 | <ul style="list-style-type: none"> {combined with totalising or integrating devices} | | |
| 11/08 | <ul style="list-style-type: none"> having means for controlling the rate of feed or discharge (regulation of flow of fluent material G05D) | | |
| 11/083 | <ul style="list-style-type: none"> {of the weight-belt or weigh-auger type (G01G 11/10, G01G 11/12 take precedence)} | | |
| 11/086 | <ul style="list-style-type: none"> {of the loss-in-weight feeding type} | | |
| 11/10 | <ul style="list-style-type: none"> by controlling the height of the material on the belt | | |
| 11/12 | <ul style="list-style-type: none"> by controlling the speed of the belt | | |
| 11/14 | <ul style="list-style-type: none"> using totalising or integrating devices (G01G 11/025, G01G 11/043, G01G 11/046 and G01G 11/065 take precedence) totalising or integrating devices per se G06) | | |
| 11/16 | <ul style="list-style-type: none"> being electrical or electronic means | | |
| 11/18 | <ul style="list-style-type: none"> using digital counting | | |
| 11/20 | <ul style="list-style-type: none"> being mechanical means | | |

- 13/247 . . {Checking quantity of material in the feeding arrangement, e.g. discharge material only if a predetermined quantity is present}
- 13/248 . . {Continuous control of flow of material ([control of flow G05D 7/00](#))}
- 13/26 . . involving fluid-pressure systems
- 13/28 . . involving variation of an electrical variable which is used to control loading or discharge of the receptacle
- 13/285 . . . involving comparison with a reference value ([G01G 13/29 takes precedence](#) ; electric measuring arrangements involving comparison with a reference value [G01R 17/00](#))}
- 13/2851 {for controlling automatic loading of weigh pans or other receptacles ([G01G 13/29 takes precedence](#))}
- 13/2852 {involving dribble-feed means controlled by the weighing mechanism to top up the receptacle to the target weight}
- 13/2853 {wherein the main feed is effected by gravity from a hopper or chute}
- 13/2855 {wherein the main feed is effected by mechanical conveying means, e.g. by belt conveyors, by vibratory conveyors}
- 13/2856 {wherein the main feed is effected by pneumatic conveying means, e.g. by fluidised feed of granular material}
- 13/2857 {Arrangements for compensating for material suspended at cut-off, i.e. for material which is still falling from the feeder when the weigher stops the feeder}
- 13/2858 {Arrangements for the determination of, or compensation for, the tare weight of an unloaded container, e.g. of a disposable container}
- 13/29 . . . involving digital counting
- 13/2906 {for controlling automatic loading of weigh-pans or other receptacles}
- 13/2912 {involving dribble-feed means controlled by the weighing mechanism to top up the receptacle to the target weight}
- 13/2918 {wherein the main feed is effected by gravity from a hopper or chute}
- 13/2925 {wherein the main feed is effected by mechanical means, e.g. by belt conveyors, by vibratory conveyors}
- 13/2931 {wherein the main feed is effected by pneumatic conveying means, e.g. by fluidised feed of granular material}
- 13/2937 {Arrangements for compensating for material suspended at cut-off, i.e. for material which is still falling from the feeder when the weigher stops the feeder}
- 13/2943 {Arrangements for determination of, or compensation for, the tare weight of an unloaded container, e.g. of a disposable container}
- 13/295 . . . for controlling automatic loading of the receptacle {([G01G 13/285](#), [G01G 13/29 take precedence](#))}
- 13/2951 {involving dribble-feed means controlled by the weighing mechanism to top up the receptacle to the target weight}
- 13/2952 {wherein the main feed is effected by gravity from a hopper or chute}
- 13/2954 {wherein the main feed is effected by mechanical conveying means, e.g. by belt conveyors, by vibratory conveyors}
- 13/2955 {wherein the main feed is effected by pneumatic conveying means, e.g. by fluidised feed of granular material}
- 13/2957 {Arrangements for compensating for material suspended at cut-off, i.e. for material which is still falling from the feeder when the weigher stops the feeder}
- 13/2958 {Arrangements for the determination of, or compensation for, the tare weight of an unloaded container, e.g. a disposable container}
- 13/30 . . involving limit switches or position-sensing switches
- 13/32 . . . involving photoelectric devices
- 13/34 . . involving mechanical linkage motivated by weighing mechanism
- 15/00 Arrangements for check-weighing of materials dispensed into removable containers ([packaging aspects B65B](#); {electric measuring arrangements involving comparison with a reference value [G01R 17/00](#))}**
- 15/001 . {Volumetric pre-dispensing to an estimated weight; Gravimetric make-up device for target device}
- 2015/002 . . {using electrical, electromechanical or electronic means}
- 2015/003 . . . {involving digital counting}
- 2015/005 . . . {involving comparison with reference value}
- 15/006 . {using electrical, electromechanical, or electronic means not covered by [G01G 15/001](#), [G01G 15/02](#), [G01G 15/04](#)}
- 2015/007 . . {involving digital counting}
- 2015/008 . . {involving comparison with a reference value}
- 15/02 . with provision for adding or removing a make-up quantity of material to obtain the desired net weight ([dribble-feed means for automatic batch-weighers G01G 13/04](#))
- 2015/022 . . {using electrical, electromechanical or electronic means}
- 2015/025 . . . {involving digital counting}
- 2015/027 . . . {involving comparison with a reference value}
- 15/04 . with provision for adding or removing a make-up quantity of material to obtain the desired gross weight ([dribble-feed means for automatic batch-weighers G01G 13/04](#))
- 2015/042 . . {using electrical, electromechanical or electronic means}
- 2015/045 . . . {involving digital counting}
- 2015/047 . . . {involving comparison with a reference value}
- 17/00 Apparatus for or methods of weighing material of special form or property ([determining weight by measuring volume G01F](#))**
- 17/02 . for weighing material of filamentary or sheet form
- 17/04 . for weighing fluids, e.g. gases, pastes
- 17/06 . . having means for controlling the supply or discharge
- 17/08 . for weighing livestock

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| 19/00 | Weighing apparatus or methods adapted for special purposes not provided for in the preceding groups {(electric measuring arrangements involving comparison with a reference value G01R 17/00)} | 19/382 | . . . {involving digital counting} |
| 19/002 | . {for postal parcels and letters} | 19/384 | . . . {involving comparison with a reference value} |
| 19/005 | . . {with electric or electronic computing means} | 19/387 | . for combinatorial weighing, i.e. selecting a combination of articles whose total weight or number is closest to a desired value |
| 19/007 | . {fractioning a determined weight of material in several equal parts} | 19/393 | . . using two or more weighing units |
| 19/02 | . for weighing wheeled or rolling bodies, e.g. vehicles | 19/40 | . with provisions for indicating, recording, or computing price or other quantities dependent on the weight (indicating means for weighing apparatus G01G 23/18 ; recording means for weighing apparatus G01G 23/18 ; computers in general G06) |
| 19/021 | . . {having electrical weight-sensitive devices (G01G 19/04 - G01G 19/07 take precedence)} | 19/41 | . . using mechanical computing means |
| 19/022 | . . {for weighing wheeled or rolling bodies in motion (G01G 19/045 takes precedence)} | 19/413 | . . using electromechanical or electronic computing means |
| 19/024 | . . . {using electrical weight-sensitive devices} | 19/414 | . . . using electronic computing means only |
| 19/025 | . . {wheel-load scales} | 19/4142 | {for controlling activation of safety devices, e.g. airbag systems (electrical circuits for triggering safety arrangements in case of vehicle accidents B60R 21/015)} |
| 19/027 | . . . {using electrical weight-sensitive devices} | 19/4144 | {for controlling weight of goods in commercial establishments, e.g. supermarket, P.O.S. systems} |
| 19/028 | . . {combined with shock-absorbing devices (shock-absorbing arrangements for bearings G01G 21/02 ; means for damping oscillations G01G 23/06 ; shock-absorbers per se F16F)} | 19/4146 | {for controlling caloric intake, e.g. diet control} |
| 19/03 | . . for weighing during motion (G01G 19/04 , G01G 19/07 take precedence {check weighing of materials dispensed into removable containers G01G 15/00 ; weighing a continuous stream of material during flow G01G 11/00 ; G01G 19/02 , e.g. G01G 19/022 , G01G 19/045 take precedence }) | 19/4148 | {for controlling postal rate in articles to be mailed (franking apparatus with means for computing G07B 17/02)} |
| 19/035 | . . . {using electrical weight-sensitive devices} | 19/415 | combined with recording means |
| 19/04 | . . for weighing railway vehicles | 19/417 | . . with provision for checking computing part of balance |
| 19/042 | . . . {having electrical weight-sensitive devices} | 19/42 | . . for counting by weighing (G01G 19/387 takes precedence) |
| 19/045 | . . . {for weighing railway vehicles in motion} | 19/44 | . for weighing persons |
| 19/047 | {using electrical weight-sensitive devices} | 19/445 | . . {in a horizontal position} |
| 19/06 | . . . on overhead rails | 19/46 | . . Spring balances specially adapted for this purpose |
| 19/07 | . . for weighing aircraft | 19/48 | . . Pendulum balances specially adapted for this purpose |
| 19/08 | . for incorporation in vehicles | 19/50 | . . having additional measuring devices, e.g. for height |
| 19/083 | . . {lift truck scale} | 19/52 | . Weighing apparatus combined with other objects, e.g. furniture (with walking sticks A45B 3/08) |
| 19/086 | . . {wherein the vehicle mass is dynamically estimated} | 19/54 | . . combined with writing implements or paper-knives |
| 19/10 | . . having fluid weight-sensitive devices | 19/56 | . . combined with handles of tools or household implements |
| 19/12 | . . having electrical weight-sensitive devices | 19/58 | . . combined with handles of suit-cases or trunks |
| 19/14 | . for weighing suspended loads (G01G 3/00 takes precedence ; incorporation of weighing devices in cranes B66C 1/40 , B66C 13/16) | 19/60 | . . combined with fishing equipment, e.g. with fishing rods |
| 19/16 | . . having fluid weight-sensitive devices | 19/62 | . Over or under weighing apparatus |
| 19/18 | . . having electrical weight-sensitive devices | 19/64 | . Percentage-indicating weighing apparatus, i.e. for expressing the weight as a percentage of a predetermined or initial weight |
| 19/20 | . . for weighing unbalanced loads | 21/00 | Details of weighing apparatus |
| 19/22 | . for apportioning materials by weighing prior to mixing them (ratio regulation G05D 11/00) | 21/02 | . Arrangements of bearings (bearings per se F16C) |
| 19/24 | . . using a single weighing apparatus | 21/022 | . . {of tapes or ribbons} |
| 19/26 | . . . associated with two or more counterweighted beams | 21/025 | . . {using a combination of knife-edge and ball or roller bearings} |
| 19/28 | . . . having fluid weight-sensitive devices | 21/027 | . . {Hydraulic or pneumatic bearings} |
| 19/30 | . . . having electrical weight-sensitive devices | 21/04 | . . of knife-edge bearings |
| 19/303 | {involving digital counting} | 21/06 | . . of ball or roller bearings |
| 19/306 | {involving comparison with a reference value} | 21/07 | . . of flexure-plate bearings |
| 19/32 | . . using two or more weighing apparatus | 21/08 | . . Bearing mountings or adjusting means therefor |
| 19/34 | . . with electrical control means | | |
| 19/343 | . . . {involving digital counting} | | |
| 19/346 | . . . {involving comparison with a reference value} | | |
| 19/36 | . . with mechanical control means | | |
| 19/38 | . . programme controlled, e.g. by perforated tape (programme control in general G05B 19/00) | | |

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| 21/085 | . . . {of knife-edge bearings (knife-edge bearings G01G 21/04)} | 23/002 | . {Means for correcting for obliquity of mounting (for pendulum-weight apparatus G01G 1/16)} |
| 21/10 | . . Floating suspensions; Arrangements of shock absorbers (shock absorbers per se F16F) | 23/005 | . {Means for preventing overload} |
| 21/12 | . . Devices for preventing derangement | 23/007 | . {Integrated arrangements for generating electrical power, e.g. solar cells} |
| 21/125 | . . . {of knife-edge bearings (knife-edge bearings G01G 21/04)} | 23/01 | . Testing or calibrating of weighing apparatus |
| 21/14 | . Beams | 23/012 | . . {with load cells comprising in-build calibration weights} |
| 21/16 | . . of composite construction; Connections between different beams | 23/015 | . . {by adjusting to the local gravitational acceleration} |
| 21/161 | . . . {Connections between different beams} | 23/017 | . . {Securing calibration against fraud} |
| 21/162 | {using knife-edge bearings (knife-edge bearings G01G 21/04)} | 23/02 | . Relieving mechanisms; Arrestment mechanisms |
| 21/163 | {using ball or roller bearings (ball or roller bearings G01G 21/04)} | 23/04 | . . for precision weighing apparatus |
| 21/165 | {using tapes or ribbons (tapes or ribbons G01G 21/022)} | 23/06 | . Means for damping oscillations, e.g. of weigh beams |
| 21/166 | {using flexure plate fulcrums (flexure plate fulcrums G01G 21/07)} | 23/08 | . . by fluid means |
| 21/167 | {combined with different kinds of bearings} | 23/10 | . . by electric or magnetic means |
| 21/168 | {combined with knife-edge and ball or roller bearings} | 23/12 | . . specially adapted for preventing oscillations due to movement of the load |
| 21/18 | . Link connections between the beam and the weigh pan | 23/14 | . Devices for determining tare weight or for cancelling out the tare by zeroising, e.g. mechanically operated (in connection with automatic loading G01G 13/14) |
| 21/182 | . . {using knife-edge bearings (knife-edge bearings G01G 21/04)} | 23/16 | . . electrically or magnetically operated |
| 21/184 | . . {using ball or roller bearings (ball or roller bearings G01G 21/06)} | 23/163 | . . . {involving digital counting} |
| 21/186 | . . {using tapes or ribbons (tapes or ribbons G01G 21/022)} | 23/166 | . . . {involving comparison with a reference value} |
| 21/188 | . . {using flexure plate fulcrums (flexure plate fulcrums G01G 21/07)} | 23/18 | . Indicating devices, e.g. for remote indication; Recording devices; Scales, e.g. graduated |
| 21/20 | . . for precision weighing apparatus | 23/20 | . . Indicating weight by mechanical means |
| 21/22 | . Weigh pans or other weighing receptacles; Weighing platforms | 23/203 | . . . {with wheel-type counters} |
| 21/23 | . Support or suspension of weighing platforms (G01G 21/24 takes precedence) | 23/206 | . . . {special graduated scales therefor (G01G 23/24 takes precedence)} |
| 21/235 | . . {using knife-edge bearings (knife-edge bearings G01G 21/04)} | 23/22 | . . . combined with price indicators |
| 21/24 | . Guides or linkages for ensuring parallel motion of the weigh-pans | 23/24 | . . . involving logarithmic scales |
| 21/241 | . . {combined with knife-edge bearings (knife-edge bearings G01G 21/04)} | 23/26 | . . . Drive for the indicating member, e.g. mechanical amplifiers |
| 21/242 | . . {combined with ball or roller bearings (ball or roller bearings G01G 21/06)} | 23/28 | . . . involving auxiliary or memory marks |
| 21/243 | . . {combined with tapes or ribbons (tapes or ribbons G01G 21/022)} | 23/30 | . . . with means for illuminating the scale |
| 21/244 | . . {combined with flexure-plate fulcrums (flexure-plate fulcrums G01G 21/07)} | 23/32 | . . Indicating the weight by optical projection means |
| 21/245 | . . {combined with different kinds of bearings} | 23/34 | . . . combined with price indicators |
| 21/246 | . . . {combined with knife-edge and ball or roller bearings} | 23/35 | . . Indicating the weight by photographic recording |
| 21/247 | . . . {combined with knife-edge bearings and tapes or ribbons} | 23/36 | . . Indicating the weight by electrical means, e.g. using photoelectric cells |
| 21/248 | . . . {combined with knife-edge and flexure-plate fulcrums} | 23/361 | . . . {using photoelectric cells} |
| 21/26 | . Counterweights; Poise-weights; Sets of weights; Holders for the reception of weights | 23/362 | . . . {using electric contacts} |
| 21/28 | . Frames, Housings | 23/363 | . . . {using magnetic or capacitive contacts} |
| 21/283 | . . {Details related to a user interface} | 23/365 | . . . involving comparison with a reference value (G01G 23/37 takes precedence) |
| 21/286 | . . {with windshields} | 23/37 | . . . involving digital counting |
| 21/30 | . Means for preventing contamination by dust | 23/3707 | {using a microprocessor} |
| 23/00 | Auxiliary devices for weighing apparatus | 23/3714 | {with feedback means} |
| | | 23/3721 | {with particular representation of the result, e.g. graphic} |
| | | 23/3728 | {with wireless means} |
| | | 23/3735 | {using a digital network} |
| | | 23/3742 | {using a mobile telephone network} |
| | | 23/375 | during the movement of a coded element |
| | | 23/38 | . . Recording and/or coding devices specially adapted for weighing apparatus (computers per se G06; disc converters in general G08C) |
| | | 23/40 | . . . mechanically operated |
| | | 23/42 | . . . electrically operated |
| | | 23/44 | Coding devices therefor |

G01G

- 23/46 . . . Devices preventing recording until the weighing mechanism has come to rest
- 23/48 . Temperature-compensating arrangements ([G01G 1/14](#), [G01G 1/42](#), [G01G 3/18](#) take precedence)