

CPC COOPERATIVE PATENT CLASSIFICATION

G PHYSICS (NOTES omitted)

INSTRUMENTS

G12 INSTRUMENT DETAILS

G12B CONSTRUCTIONAL DETAILS OF INSTRUMENTS, OR COMPARABLE DETAILS OF OTHER APPARATUS, NOT OTHERWISE PROVIDED FOR

NOTES

1. This subclass covers only details which are not restricted to measuring instruments or to any other apparatus covered by a single class.
2. This subclass does not cover:
 - details covered by any other subclass in section [A](#), [E](#), [G](#) or [H](#). In particular, details restricted to the measuring instruments are covered by the relevant subclasses of class [G01](#), e.g. [G01D](#);
 - constructional details restricted to electric apparatus, e.g. casings, screenings, which are covered by subclass [H05K](#) or the relevant subclass in section [H](#).
3. Attention is drawn to the Notes following the title of section [G](#), especially as regards to the definition of the term "measuring" in Note (2) 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.

| | | | |
|-------------|--|--------------------|--|
| 1/00 | Sensitive elements capable of producing movement or displacement for purposes not limited to measurement; Associated transmission mechanisms therefor | 9/02 | • Casings; Housings; Cabinets (sealing arrangements for transmission members F16J , particularly F16J 15/50) |
| 1/02 | • Compound strips or plates, e.g. bimetallic | 9/04 | • . . Details, e.g. cover |
| 1/04 | • Hollow bodies having parts which are deformable or displaceable under pressure, e.g. Bourdon tube, bellows (bellows in general F16J 3/00) | 9/06 | • . . . Metal casings |
| | | 9/08 | • Supports; Devices for carrying |
| | | 9/10 | • . Instruments boards; Panels; Desks; Racks |
| 3/00 | Details of movements not otherwise provided for (damping of shock or vibrations in general F16F; avoiding out-of-balance forces F16F 15/00; testing balance G01M) | 11/00 | Indicating elements; Illumination thereof |
| 3/02 | • Caging of movements, i.e. locking of movements when not in use | 11/02 | • Scales; Dials |
| 3/04 | • Suspensions (bearings F16C) | 11/04 | • Pointers; Setting-mechanisms therefor |
| 3/06 | • Reducing effects of friction, e.g. by vibration (by lubrication F16N) | 13/00 | Calibrating of instruments and apparatus (calibrating of measuring instruments G01) |
| 3/08 | • Damping of movements, e.g. to promote rapid non-oscillatory movement to a final reading | 15/00 | Cooling (by refrigeration, e.g. circulation of refrigerated fluid, F25D; heat-exchange or heat-transfer details of general application F28F) |
| 3/10 | • . using eddy currents | 15/02 | • by closed-cycle fluid-circulating systems |
| 5/00 | Adjusting position or attitude, e.g. level, of instruments or other apparatus, or of parts thereof (levels per se G01C 9/00); Compensating for the effects of tilting or acceleration, e.g. for optical apparatus | 15/04 | • by currents of fluid, e.g. air, in open cycle |
| 7/00 | Compensating for the effects of temperature (by cooling G12B 15/00) | 15/06 | • by contact with heat-absorbing or radiating masses, e.g. heat-sink |
| 9/00 | Housing or supporting of instruments or other apparatus | 17/00 | Screening (insulation or other protection of buildings E04B; emergency protection of apparatus in general F16P 7/00; in connection with acoustic waves G10K 11/00; in connection with nuclear radiation G21F) |
| | | <u>NOTE</u> | |
| | | | This group <u>covers</u> : |
| | | | • the protection of instruments or other apparatus from external radiation or other influences; |

G12B

G12B 17/00
(continued)

- the prevention of the emission of undesirable radiation or other influences by instruments or other apparatus.

- 17/02 . from electric or magnetic fields, e.g. radio waves
- 17/04 . from visible, ultra-violet, or infra-red light
(screening of lighting devices [F21V](#); optical filters [G02B 5/20](#))
- 17/06 . from heat ([G12B 17/04](#) takes precedence; cooling [G12B 15/00](#))
- 17/08 . from influences producing mechanical damage, e.g. caused by blast, by external objects, by person ([G12B 17/02](#) - [G12B 17/06](#) take precedence)