

# CPC COOPERATIVE PATENT CLASSIFICATION

## 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](#), [F](#), [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](#).

**1/00 Sensitive elements capable of producing movement or displacement for purposes not limited to measurement; Associated transmission mechanisms therefor**

- 1/02 . Compound strips or plates, e.g. bimetallic
- 1/04 . Hollow bodies having parts which are deformable or displaceable under pressure, e.g. Bourdon tube, bellows ([bellows in general F16J 3/00](#))

**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](#))**

- 3/02 . Caging of movements, i.e. locking of movements when not in use
- 3/04 . Suspensions ([bearings F16C](#))
- 3/06 . Reducing effects of friction, e.g. by vibration ([by lubrication F16N](#))
- 3/08 . Damping of movements, e.g. to promote rapid non-oscillatory movement to a final reading
- 3/10 . . using eddy currents

**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**

**7/00 Compensating for the effects of temperature (by cooling [G12B 15/00](#))**

**9/00 Housing or supporting of instruments or other apparatus**

- 9/02 . Casings; Housings; Cabinets ([sealing arrangements for transmission members F16J](#), particularly [F16J 15/50](#))
- 9/04 . . Details, e.g. cover
- 9/06 . . . Metal casings
- 9/08 . Supports; Devices for carrying
- 9/10 . . Instruments boards; Panels; Desks; Racks

**11/00 Indicating elements; Illumination thereof**

- 11/02 . Scales; Dials
- 11/04 . Pointers; Setting-mechanisms therefor

**13/00 Calibrating of instruments and apparatus (calibrating of measuring instruments [G01](#))**

**15/00 Cooling (by refrigeration, e.g. circulation of refrigerated fluid, [F25D](#); heat-exchange or heat-transfer details of general application [F28F](#))**

- 15/02 . by closed-cycle fluid-circulating systems
- 15/04 . by currents of fluid, e.g. air, in open cycle
- 15/06 . by contact with heat-absorbing or radiating masses, e.g. heat-sink

**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](#))**

### NOTE

This group covers:

- the protection of instruments or other apparatus from external radiation or other influences;
- 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)