

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