

# 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.

<b>1/00</b>	<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
		9/08	• Supports; Devices for carrying
		9/10	• . Instruments boards; Panels; Desks; Racks
<b>3/00</b>	<b>Details of movements not otherwise provided for (<a href="#">damping of shock or vibrations in general F16F</a>; <a href="#">avoiding out-of-balance forces F16F 15/00</a>; <a href="#">testing balance G01M</a>)</b>	<b>11/00</b>	<b>Indicating elements; Illumination thereof</b>
3/02	• Caging of movements, i.e. locking of movements when not in use	11/02	• Scales; Dials
3/04	• Suspensions ( <a href="#">bearings F16C</a> )	11/04	• Pointers; Setting-mechanisms therefor
3/06	• Reducing effects of friction, e.g. by vibration ( <a href="#">by lubrication F16N</a> )	<b>13/00</b>	<b>Calibrating of instruments and apparatus (<a href="#">calibrating of measuring instruments G01</a>)</b>
3/08	• Damping of movements, e.g. to promote rapid non-oscillatory movement to a final reading	<b>15/00</b>	<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>
3/10	• . using eddy currents	15/02	• by closed-cycle fluid-circulating systems
<b>5/00</b>	<b>Adjusting position or attitude, e.g. level, of instruments or other apparatus, or of parts thereof (<a href="#">levels per se G01C 9/00</a>); Compensating for the effects of tilting or acceleration, e.g. for optical apparatus</b>	15/04	• by currents of fluid, e.g. air, in open cycle
7/00	<b>Compensating for the effects of temperature (<a href="#">by cooling G12B 15/00</a>)</b>	15/06	• by contact with heat-absorbing or radiating masses, e.g. heat-sink
<b>9/00</b>	<b>Housing or supporting of instruments or other apparatus</b>	<b>17/00</b>	<b>Screening (<a href="#">insulation or other protection of buildings E04B</a>; <a href="#">emergency protection of apparatus in general F16P 7/00</a>; <a href="#">in connection with acoustic waves G10K 11/00</a>; <a href="#">in connection with nuclear radiation 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, 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)