

ECLA EUROPEAN 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.

G12B1/00 Sensitive elements capable of producing movement or displacement for purposes not limited to measurement; Associated transmission mechanisms therefor

- G12B1/02 . Compound strips or plates, e.g. bimetallic
- G12B1/04 . Hollow bodies having parts which are deformable or displaceable under pressure, e.g. Bourdon tube, bellows ([bellows in general F16J3/00](#))

G12B3/00 Details of movements not otherwise provided for ([damping of shock or vibrations in general F16E](#); [avoiding out-of-balance forces F16F15/00](#); [testing balance G01M](#))

- G12B3/02 . Caging of movements, i.e. locking of movements when not in use
- G12B3/04 . Suspensions ([bearings F16C](#))
- G12B3/06 . Reducing effects of friction, e.g. by vibration ([by lubrication F16N](#))
- G12B3/08 . Damping of movements, e.g. to promote rapid non-oscillatory movement to a final reading
- G12B3/10 . . using eddy currents

G12B5/00 Adjusting position or attitude, e.g. level, of instruments or other apparatus, or of parts thereof ([levels per se G01C9/00](#)); Compensating for the effects of tilting or acceleration, e.g. for optical apparatus

G12B7/00 Compensating for the effects of temperature ([by cooling G12B15/00](#))

G12B9/00 **Housing or supporting of instruments or other apparatus**

- G12B9/02 . Casings; Housings; Cabinets ([sealing arrangements for transmission members F16J](#), particularly [F16J15/50](#))
- G12B9/04 . . Details, e.g. cover
- G12B9/06 . . . Metal casings
- G12B9/08 . Supports; Devices for carrying
- G12B9/10 . . Instruments boards; Panels; Desks; Racks

G12B11/00 **Indicating elements; Illumination thereof**

- G12B11/02 . Scales; Dials
- G12B11/04 . Pointers; Setting-mechanisms therefor

G12B13/00 **Calibrating of instruments and apparatus** ([calibrating of measuring instruments G01](#))**G12B15/00** **Cooling** ([by refrigeration, e.g. circulation of refrigerated fluid, F25D](#); [heat-exchange or heat-transfer details of general application F28F](#))

- G12B15/02 . by closed-cycle fluid-circulating systems
- G12B15/04 . by currents of fluid, e.g. air, in open cycle
- G12B15/06 . by contact with heat-absorbing or radiating masses, e.g. heat-sink

G12B17/00 **Screening** ([insulation or other protection of buildings E04B](#); [emergency protection of apparatus in general F16P7/00](#); [in connection with acoustic waves G10K11/00](#); [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.

- G12B17/02 . from electric or magnetic fields, e.g. radio waves
- G12B17/04 . from visible, ultra-violet, or infra-red light ([screening of lighting devices F21V](#); [optical filters G02B5/20](#))
- G12B17/06 . from heat ([G12B17/04](#) takes precedence; [cooling G12B15/00](#))
- G12B17/08 . from influences producing mechanical damage, e.g. caused by blast, by external objects, by person ([G12B17/02](#) to [G12B17/06](#) take precedence)