

G12B

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

Definition statement

This subclass/group covers:

only details which are not restricted to measuring instruments or to any other apparatus covered by a single class.

Relationship between large subject matter areas

details covered by any other subclass in section A, F, G or H.

In particular:

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|--|----------------------|
| Details restricted to the measuring instruments covered by the relevant subclasses of class G01, e.g. G01D | G01D |
| Constructional details restricted to electric apparatus, e.g. casings, screenings | H02B |
| Constructional details restricted to electronic apparatus, e.g. casings, screenings | H05K |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| | |
|--|---------------------------|
| Insulation or protection of buildings | E04B |
| Damping of shock or vibrations movement | F16F |
| Emergency protection of apparatus in general | F16P 7/00 |
| Emergency protection of apparatus in general | F16P 7/00 |
| Screening of lighting devices | F21V |
| Cooling by refrigeration | F25D |

| | |
|---|----------------------------|
| Heat-exchange or heat-transfer details | F28F |
| Calibrating of measuring instrument | G01 |
| Optical filters | G02B 5/20 |
| In connection with acoustic waves | G10K 11/00 |
| In connection with nuclear radiation | G21F |
| Cooling of electronic apparatus | H05K 7/20 |
| Electromagnetic shielding of electronic apparatus | H05K 9/00 |

Special rules of classification within this subclass

Attention is drawn to the Notes following the IPC title of section G, especially as regards to the definition of the term "measuring" in Note (2) following the title of class G01.

The groups [G12B 3/00](#), [G12B 7/00](#), [G12B 11/00](#), [G12B 13/00](#), [G12B 15/00](#), [G12B 17/00](#) are not used.

Glossary of terms

In this subclass/group, the following terms (or expressions) are used with the meaning indicated:

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| | |
|------------|---|
| Apparatus: | a category of subject matter which is a machine or device, described in terms of its functional capabilities or structural features, that is used to make a product, or to carry out a non-manufacturing process or activity. |
|------------|---|

G12B 1/00

Sensitive elements capable of producing movement or

**displacement for purposes not limited to measurement;
Associated transmission mechanisms therefor**

Definition statement

This subclass/group covers:

Actuating mechanisms of small size, e.g. Micromotion actuators for microdisplacement.

References relevant to classification in this group

This subclass/group does not cover:

| | |
|--|----------------------------|
| Thermometers using bimetallic elements | G01K 5/62 |
| Thermally-actuating switches | H01H 37/00 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| | |
|--------------------|---------------------------|
| Bellows in general | F16J 3/00 |
|--------------------|---------------------------|

G12B 3/00

Details of movements not otherwise provided for (damping of shock or vibrations in general F16F; avoiding out-of-balance forces F16F15/00; testing balance G01M)

Informative references

Attention is drawn to the following places, which may be of interest for search:

| | |
|---|----------------------------|
| Damping of shock or vibrations in general | F16F |
| Avoiding out-of-balance forces | F16F 15/00 |
| Testing balance | G01M |

G12B 5/00

Adjusting position or attitude, e.g. level, of instruments or other apparatus, or of parts thereof; Compensating for the effects of tilting or acceleration, e.g. for optical apparatus

Definition statement

This subclass/group covers:

Adjusting mechanisms of small size, e.g. sensor positioning devices.

References relevant to classification in this group

This subclass/group does not cover:

| | |
|-------------------------------------|---------------------------|
| Level per se | G01C 9/00 |
| Adjusting means of optical elements | G02B 7/00 |

G12B 7/00

Compensating for the effects of temperature (by cooling G12B15/00)

References relevant to classification in this group

This subclass/group does not cover:

| | |
|-------------------------|----------------------------|
| Compensating by cooling | G12B 15/00 |
|-------------------------|----------------------------|

G12B 9/00

Housing or supporting structure of instruments or other apparatus

Definition statement

This subclass/group covers:

Construction of instrument used for general purpose.

References relevant to classification in this group

This subclass/group does not cover:

| | |
|---|----------------------------|
| Supports adapted for vehicle instrument | B60R 11/00 |
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| | |
|--|---|
| Supports adapted for aircraft instrument | B64C , B64D |
| Housings of measuring instrument | G01D 11/24 |
| Supports for measuring instrument | G01D 11/30 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

| | |
|---------------------|----------------------|
| Supports in general | F16M |
|---------------------|----------------------|

G12B 11/00

Indicating elements; illumination thereof

Definition statement

This subclass/group covers:

Illuminating device of instruments in general.

Indicating elements of instruments

References relevant to classification in this group

This subclass/group does not cover:

| | |
|--------------------------------------|-----------------------------|
| Illumination of measuring instrument | G01D 211/28 |
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