# G06G

## ANALOGUE COMPUTERS (analogue optical computing devices G06E 3/00)

### References

#### *Limiting references*

*This place does not cover:*

| Analogue optical computing devices | G06E 3/00 |
|---|---|
| Computer systems based on specific computational models | G06N |

# G06G 1/00

## Hand manipulated computing devices (planimeters G01B 5/26)

### Definition statement

*This place covers:*

Hand operated, mainly portable, mechanical devices using movable scales (linear or circular) for computing an analogue outcome as a result of the mechanical setting of the input scales.

These are very simple mechanical devices for solving specific problems involving the resolving of one or a limited number of mathematical equations by moving mechanically one scale relative to another scale and reading out the result on another scale. It does not involve electricity nor electronics.

### References

#### *Limiting references*

*This place does not cover:*

| Planimeters | G01B 5/26 |
|---|---|
| Digital mechanical computers | G06C |
| Electronic portable computers | G06F 15/02 |

### Special rules of classification

The documents should be classified in the subgroups of G06G 1/0005 according to their field of application AND in the subgroups of G06G 1/02 according to their construction.

# G06G 1/0005

## {characterised by a specific application}

### Definition statement

*This place covers:*

For the different applications see the titles of the subgroups.

### Special rules of classification

Documents should be classified in every subgroup dealing with a specific application where the hand manipulated analogue computing device is used.

Documents should also be classified in the subgroups of G06G 1/02 according to their construction.

# G06G 1/02

**Devices in which computing is effected by adding, subtracting, or comparing lengths of parallel or concentric graduated scales {(G06G 1/0005 takes precedence)}**

## Definition statement

*This place covers:*

Hand-manipulated devices of the kind specified in the title are classified here independently from the specific application.

The different constructional arrangements of these devices are classified in accordance with the titles of the subgroups under G06G 1/04.

## Special rules of classification

The documents should also be classified in the subgroups of G06G 1/0005 according to their field of application.

# G06G 3/00

**Devices in which the computing operation is performed mechanically (G06G 1/00 takes precedence)**

## Definition statement

*This place covers:*

Pure mechanical analogue computation mechanisms.

## References

### Limiting references

*This place does not cover:*

| Electric or electronic analogue computers | G06G 7/00 |
| Digital mechanical computers | G06C |

## Special rules of classification

Obsolete technology, there are currently almost no new publications on the subject.

# G06G 5/00

**Devices in which the computing operation is performed by means of fluid-pressure elements (such elements in general F15C)**

## Definition statement

*This place covers:*

Analogue computation mechanisms based on fluid-pressure elements, e.g. using water, oil, pneumatics.

## References

### *Limiting references*

*This place does not cover:*

| Fluid-circuit elements as such used for computing | F15C |
|---|---|
| Digital fluid-pressure computing devices | G06D |

## Special rules of classification

Obsolete technology, not used anymore.

# G06G 7/00

**Devices in which the computing operation is performed by varying electric or magnetic quantities**

## Definition statement

*This place covers:*

General analogue computation performed by electric or magnetic elements.

## References

### *Limiting references*

*This place does not cover:*

| Analogue control systems | G05B 1/00 - G05B 11/00 |
|---|---|
| Analogue filters or mixers | H03 |

## Special rules of classification

Documents are to be classified in these subgroups only if they are used for pure computation per se.

Analogue computation for a specific application are classified in the specific application field only.

This is an old technology that is hardly used anymore for performing computation as such. It is mainly used as a component in larger systems such as analogue control systems, telecommunication devices, etc.

# G06G 99/00

**Subject matter not provided for in other groups of this subclass**

## Definition statement

*This place covers:*

Subject-matter not provided for in G06G 1/00 - G06G 7/80.