G04F

TIME-INTERVAL MEASURING (measuring pulse characteristics G01R, e.g. G01R 29/02; in radar or like systems G01S; masers H01S 1/00; generation of oscillations H03B; generation or counting of pulses, frequency dividing, analogue/digital conversion H03K {time fuzes F42C 9/00})

Definition statement

This place covers:

- apparatus for measuring-off predetermined time intervals;
- apparatus for producing such intervals as timing standards, e.g. metronomes;
- apparatus for measuring unknown intervals, e.g. precision systems for short-time-interval measurement.

References

Limiting references

This place does not cover:

time fuzes	F42C 9/00

Informative references

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

measuring pulse characteristics;	G01R, e.g. G01R 29/02
in radar or like systems;	G01S
masers;	H01S 1/00
generation of oscillations;	H03B
generation or counting of pulses, frequency dividing, analogue/digital conversion	H03K

G04F 1/00

Apparatus which can be set and started to measure-off predetermined or adjustably-fixed time intervals without driving mechanisms, e.g. egg timer (electric time and time-programme switches H01H 43/00)

References

Informative references

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

electric time and time-programme switches	H01H 43/00

G04F 3/00

Apparatus which can be set and started to measure-off predetermined or adjustably-fixed time intervals with driving mechanisms, e.g. dosimeter with clockwork (electric time or time-programme switches H01H 43/00)

References

Informative references

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

electric time and time-programme switches	H01H 43/00

G04F 5/00

Apparatus for producing preselected time intervals for use as timing standards (generating clock signals for electric digital computers G06F 1/04; regulating frequency in general H03C, H03L)

References

Limiting references

This place does not cover:

generating clock signals for electric digital computers	G06F 1/04

Informative references

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

regulating frequency in general	H03C, H03L

G04F 10/00

Apparatus for measuring unknown time intervals by electric means {(timing devices for clocks or watches for comparing the rate of the oscillating member with a standard G04D 7/12; radar systems, analogous systems G01S 7/00; measuring frequency G01R 23/00; measuring phase angle G01R 25/00)}

References

Limiting references

This place does not cover:

timing devices for clocks or watches for comparing the rate of the oscillating member with a standard	G04D 7/12

Informative references

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

measuring frequency	G01R 23/00
measuring phase angle	G01R 25/00

| radar systems, analogous systems | G01S 7/00 |

G04F 13/00

Apparatus for measuring unknown time intervals by means not provided for in groups G04F 5/00 - G04F 10/00

References

References out of a residual place

Examples of places in relation to which this place is residual:

Apparatus for producing preselected time intervals for use as timing standards	G04F 5/00
Apparatus for measuring unknown time intervals by mechanical means	G04F 7/00
Apparatus for measuring unknown time intervals by electromechanical means	G04F 8/00
Apparatus for measuring unknown time intervals by electric means	G04F 10/00