

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1401

DATE: FEBRUARY 1, 2023

PROJECT MP11773

The following classification changes will be effected by this Notice of Changes:

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Titles Changed:	G04F	SUBCLASS
	G04F	1/00
	G04F	3/00
	G04F	5/00, 5/02, 5/06, 5/063, 5/066, 5/16
	G04F	7/00, 7/10
	G04F	10/00, 10/04
	G04F	13/026
Warnings Modified:	G04F	SUBCLASS
DEFINITIONS:		
Definitions New:	G04F	5/02, 5/063, 5/066
	G04F	7/10
	G04F	13/026
Definitions Modified:	G04F	SUBCLASS
	G04F	1/00, 3/00, 5/00, 10/00

No other subclasses/groups are impacted by this Notice of Changes.

This Notice of Changes includes the following [Check the ones included]:

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

3. REVISION CONCORDANCE LIST (RCL)

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS G04F – TIME-INTERVAL MEASURING

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed</u> <u>in {curly brackets}**</u>	<u>Transferred to#</u>
M	G04F	SUBCLASS	TIME-INTERVAL MEASURING (measuring pulse characteristics G01R, e.g. G01R 29/02; in radar or like systems G01S)	
M	G04F 1/00	0	Apparatus which can be set and started to measure-off predetermined or adjustably -fixed time intervals without driving mechanisms, e.g. egg timers	
M	G04F 3/00	0	Apparatus which can be set and started to measure-off predetermined or adjustably -fixed time intervals with driving mechanisms, e.g. dosimeters with clockwork	
M	G04F 5/00	0	Apparatus for producing preselected time intervals for use as timing standards (generating clock signals for electric digital computers G06F 1/04)	
M	G04F 5/02	1	Metronomes	
M	G04F 5/06	2	using piezo-electric resonators	
M	G04F 5/063	3	{Constructional details}	
M	G04F 5/066	4	{Trimmer condensators}	
M	G04F 5/16	1	using pulses produced by radio-isotopes	
M	G04F 7/00	0	Apparatus for measuring unknown time intervals by non-electric means (using fluidic means G04F 13/06)	
M	G04F 7/10	1	Means used apart from the time-piece for starting or stopping same	
M	G04F 10/00	0	Apparatus for measuring unknown time intervals by electric means	
M	G04F 10/04	1	by counting pulses or half-cycles of an ac {(G04F 10/005 takes precedence)}	
M	G04F 13/026	2	{Measuring duration of ultra-short light pulses, e.g. in the pico-second range; particular detecting devices therefor (photometry, radiation pyrometry G01J 1/00, G01J 5/00; non-linear optics G02F 1/35)}	

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*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T = existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “<administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD> , <administrative transfer to XX INV>, or <administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalisation projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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B. New, Modified or Deleted Warning(s)

SUBCLASS TIME-INTERVAL MEASURING

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	G04F	<p>1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups: G04F 10/08 covered by G04F 5/16</p> <p>2. 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.</p>	<p>1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups: G04F 10/08 covered by G04F 5/16</p> <p>2. {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. }</p>

*N = new warning, M = modified warning, D = deleted warning

NOTE: The “Location” column only requires the symbol PRIOR to the location of the warning. No further directions such as “before” or “after” are required.

2. A. DEFINITIONS (new)

Insert: The following new Definitions.

G04F 5/02

References

Informative references

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

Periodical acoustic signalling arrangements	G04B 21/005
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G04F 5/063

References

Informative references

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

Details of resonators in general	H03H 9/02
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G04F 5/066

References

Informative references

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

Capacitors in general	H01G
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G04F 7/10

References

Informative references

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

Means used apart from the time-piece for starting or stopping same	G04F 8/08
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G04F 13/026

References

Limiting references

This place does not cover:

Non-linear optics	G02F 1/35
Photometry	G01J 1/00
Radiation pyrometry	G01J 5/00

Informative references

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

Monitoring arrangements for lasers in general	H01S 3/0014
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2. A. DEFINITIONS (modified)

G04F

References

Limiting references

Replace: The existing Limiting references table with the following updated table.

Measuring pulse characteristics	G01R, e.g. G01R 29/02
Measuring in radar or like systems	G01S

Informative references

Replace: The existing Informative references table with the following updated table.

Time fuzes	F24C 9/00
Masers	H01S 1/00
Generation of oscillations	H03B
Generation or counting of pulses or frequency dividing	H03K
Analogue/digital conversion in general	H03M 1/00

G04F 1/00

References

Replace: The existing Informative references table with the following updated table.

Informative references

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

Time or time-programme switches which automatically terminate their operations after the programme is completed	H01H 43/00
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G04F 3/00

References

Replace: The existing Informative references table with the following updated table.

Informative references

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

Time or time-programme switches which automatically terminate their operations after the programme is completed	H01H 43/00
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G04F 5/00

References

Replace: The term “generating” with “Generating” in the following updated table.

Limiting references

This place does not cover:

Generating clock signals for electric digital computers	G06F 1/04
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Replace: The existing Informative references table with the following updated table.

Informative references

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

Automatic frequency control or stabilisation of generators in general	H03L
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G04F 10/00

References

Delete: The entire Limiting references section.

Replace: The existing Informative references table with the following updated table.

Informative references

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

Timing devices for clocks or watches for comparing the rate of the oscillating member with a standard	G04D 7/12
Arrangements for measuring frequencies	G01R 23/00
Arrangements for measuring phase angle between a voltage and a current or between voltages or currents	G01R 25/00
Radar systems, analogous systems	G01S 7/00