

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1676

DATE: JANUARY 1, 2025

PROJECT MP12332

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:	G05F	SUBCLASS
	G05F	1/02, 1/10
	G05F	7/00
DEFINITIONS:		
Definitions Modified:	G05F	SUBCLASS
	G05F	1/02, 1/10, 7/00

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)

CPC NOTICE OF CHANGES 1676

DATE: JANUARY 1, 2025

PROJECT MP12332

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS G05F – SYSTEMS FOR REGULATING ELECTRIC OR MAGNETIC VARIABLES (regulating the timing or recurrence frequency of pulses in radar or radio navigation systems G01S; regulation of current or voltage, specially adapted for use in electronic time-pieces G04G19/02; closed-loop systems for regulating non-electric variables by electric means G05D; regulating power supply of digital computers G06F1/26; for obtaining desired operating characteristics of electromagnets with amatures H01F7/18; regulating electric power distribution networks H02J; regulating the charging of batteries H02J7/00; regulation of the output of static converters, e.g. switching regulators H02M; regulation of the output of electric generators H02N, H02P9/00; controlling transformers, reactors or choke coils H02P13/00; regulating frequency response, gain, maximum output, amplitude or bandwidth of amplifiers H03G; regulating tuning of resonant circuits H03J; regulating characteristics of transmission lines H04B; controlling electric light sources H05B39/04, H05B41/36, H05B45/10, H05B45/20, H05B47/10; electric control of X-ray apparatus H05G1/30)

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	G05F	Subclass	SYSTEMS FOR REGULATING ELECTRIC OR MAGNETIC VARIABLES	
M	G05F1/02	1	Regulating electric characteristics of arcs	
M	G05F1/10	1	Regulating voltage or current (G05F1/02 takes precedence)	
M	G05F7/00	0	Regulating magnetic variables	

*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.

CPC NOTICE OF CHANGES 1676

DATE: JANUARY 1, 2025

PROJECT MP12332

- 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.

DATE: JANUARY 1, 2025

PROJECT MP12332

2. A. DEFINITIONS (modified)

G05F

References

Insert: The following new Application-oriented references table.

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Regulation of current or voltage specially adapted for use in electronic time-pieces	G04G 19/02
Regulating power supply of digital computers	G06F 1/26
Circuit arrangements for obtaining desired operating characteristics of electromagnets with armatures	H01F 7/18
Regulating electric power distribution networks	H02J
Regulating the charging of batteries	H02J 7/00
Regulation of the output of static converters, e.g. switching regulators	H02M
Regulation of the output of electric generators	H02N, H02P 9/00
Controlling transformers, reactors or choke coils	H02P 13/00
Regulating frequency response, gain, maximum output, amplitude or bandwidth of amplifiers	H03G
Regulating tuning of resonant circuits	H03J
Controlling generators of electronic oscillations or pulses	H03L
Regulating characteristics of transmission lines	H04B
Controlling electric light sources	H05B 39/04, H05B 41/36, H05B 45/10, H05B 45/20, H05B 47/10
Electric control of X-ray apparatus	H05G 1/30

DATE: JANUARY 1, 2025

PROJECT MP12332

Delete: The entire Limiting references table.

Insert: The new Informative references table.

Informative references

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

Regulating the timing or recurrence frequency of pulses in radar or radio navigation systems	G01S
Closed-loop systems for regulating non-electric variables by electric means	G05D

G05F1/02

References

Delete: The entire Limiting references table.

Insert: The following new Application-oriented references table.

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Automatic control of power for heating by discharge	H05B 7/148
---	----------------------------

DATE: JANUARY 1, 2025

PROJECT MP12332

Insert: The new Informative references table.

Informative references

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

Arrangements for feeding or moving of electrodes for spot or seam welding or cutting	B23K 9/12
Arrangements for feeding electrodes for electric heating or electric lighting	H05B 7/109 , H05B 31/18

G05F1/10

References

Replace: The existing Limiting reference table with the new table.

Limiting References

This place does not cover:

Regulating electric characteristics of arcs	G05F 1/02
---	---------------------------

Insert: The following new Application-oriented references table.

Application-oriented references:

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Regulating voltage or current in electric railways	B60M 3/02
--	---------------------------

CPC NOTICE OF CHANGES 1676

DATE: JANUARY 1, 2025

PROJECT MP12332

G05F7/00

References

Delete: The entire Limiting references table.

Insert: The new Informative references table.

Informative references

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

Details of apparatus for measuring magnetic variables involving magnetic resonance	G01R 33/28
--	----------------------------