

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1601

DATE: JANUARY 1, 2024

PROJECT RP10453

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols New:	H05B	47/172, 47/183, 47/184, 47/187, 47/196, 47/1965, 47/197, 47/1975, 47/198, 47/1985, 47/199, 47/1995
Titles Changed:	H05B	3/62
Warnings New:	H05B	47/17, 47/172, 47/175, 47/18, 47/183, 47/184, 47/185, 47/187, 47/19, 47/195, 47/196, 47/198
DEFINITIONS:		
Definitions New:	H05B	47/187, 47/197, 47/1975
Definitions Modified:	H05B	47/17

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 H05B – ELECTRIC HEATING; ELECTRIC LIGHTING NOT OTHERWISE PROVIDED FOR

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
M	H05B 3/62	1	Heating elements specially adapted for furnaces (H05B 3/60 takes precedence; arrangements of elements for electric heating in or on furnaces using ohmic resistance heating F27D 11/02)	
U	H05B 47/165	2	following a pre-assigned programmed sequence; Logic control [LC]	
C	H05B 47/17	2	Operational modes, e.g. switching from manual to automatic mode or prohibiting specific operations	H05B 47/17, H05B 47/172
N	H05B 47/172	3	{Emergency operational modes}	
C	H05B 47/175	2	by remote control	H05B 47/175, H05B 47/196, H05B 47/1965, H05B 47/197, H05B 47/1975, H05B 47/198, H05B 47/1985, H05B 47/199, H05B 47/1995
C	H05B 47/18	3	via data-bus transmission	H05B 47/18, H05B 47/183, H05B 47/184, H05B 47/196, H05B 47/1965, H05B 47/197, H05B 47/1975, H05B 47/198, H05B 47/1985, H05B 47/199, H05B 47/1995
N	H05B 47/183	4	{using digital addressable lighting interface [DALI] communication protocols}	
N	H05B 47/184	4	{using digital multiplexed [DMX] communication protocols}	
C	H05B 47/185	3	via power line carrier transmission	H05B 47/185, H05B 47/187, H05B 47/196, H05B 47/1965, H05B 47/197, H05B 47/1975, H05B 47/198, H05B 47/1985, H05B 47/199, H05B 47/1995
N	H05B 47/187	4	{using power over ethernet [PoE] supplies}	
C	H05B 47/19	3	via wireless transmission	H05B 47/19, H05B 47/196, H05B 47/1965, H05B 47/197, H05B

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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#
				47/1975, H05B 47/198, H05B 47/1985, H05B 47/199, H05B 47/1995
C	H05B 47/195	4	the transmission using visible or infrared light	H05B 47/195, H05B 47/196, H05B 47/1965, H05B 47/197, H05B 47/1975, H05B 47/198, H05B 47/1985, H05B 47/199, H05B 47/1995
N	H05B 47/196	3	{ characterised by user interface arrangements }	
N	H05B 47/1965	4	{ using handheld communication devices }	
N	H05B 47/197	4	{ Sound control or voice control }	
N	H05B 47/1975	4	{ Gesture control }	
N	H05B 47/198	3	{ Grouping of control procedures or a address assignation to light sources }	
N	H05B 47/1985	4	{ Creation of lighting zones or scenes }	
N	H05B 47/199	4	{ Commissioning of light sources }	
N	H05B 47/1995	5	{ Auto-commissioning }	

*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>.

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- 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 H05B – ELECTRIC HEATING; ELECTRIC LIGHTING NOT OTHERWISE PROVIDED FOR

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	H05B 47/17		Group H05B 47/17 is impacted by reclassification into group H05B 47/172. Groups H05B 47/17 and H05B 47/172 should be considered in order to perform a complete search.
N	H05B 47/172		Group H05B 47/172 is incomplete pending reclassification of documents from group H05B 47/17. Groups H05B 47/17 and H05B 47/172 should be considered in order to perform a complete search.
N	H05B 47/175		Group H05B 47/175 is impacted by reclassification into groups H05B 47/196 – H05B 47/1995. Groups H05B 47/175 and H05B 47/196 – H05B 47/1995 should be considered in order to perform a complete search.
N	H05B 47/18		Group H05B 47/18 is impacted by reclassification into groups H05B 47/183, H05B 47/184, H05B 47/196-H05B 47/1975 and H05B 47/198-H05B 47/1995. All groups listed in this Warning should be considered in order to perform a complete search.
N	H05B 47/183		Group H05B 47/183 is incomplete pending reclassification of documents from group H05B 47/18. Groups H05B 47/18 and H05B 47/183 should be considered in order to perform a complete search.
N	H05B 47/184		Group H05B 47/184 is incomplete pending reclassification of documents from group H05B 47/18. Groups H05B 47/18 and H05B 47/184 should be considered in order to perform a complete search.
N	H05B 47/185		Group H05B 47/185 is impacted by reclassification into groups H05B 47/187, H05B 47/196-H05B 47/1975 and H05B 47/198-H05B 47/1995. All groups listed in this Warning should be considered in order to perform a complete search.
N	H05B 47/187		Group H05B 47/187 is incomplete pending reclassification of documents from group H05B 47/185. Groups

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
			H05B 47/185 and H05B 47/187 should be considered in order to perform a complete search.
N	H05B 47/19		Group H05B 47/19 is impacted by reclassification into groups H05B 47/196-H05B 47/1975 and H05B 47/198-H05B 47/1995. Groups H05B 47/19, H05B 47/196-H05B 47/1975 and H05B 47/198-H05B 47/1995 should be considered in order to perform a complete search.
N	H05B 47/195		Group H05B 47/195 is impacted by reclassification into groups H05B 47/196-H05B 47/1975 and H05B 47/198-H05B 47/1995. Groups H05B 47/195, H05B 47/196-H05B 47/1975 and H05B 47/198-H05B 47/1995 should be considered in order to perform a complete search.
N	H05B 47/196		Groups H05B 47/196-H05B 47/1975 are incomplete pending reclassification of documents from groups H05B 47/175, H05B 47/18, H05B 47/185, H05B 47/19 and H05B 47/195. All groups listed in this Warning should be considered in order to perform a complete search.
N	H05B 47/198		Groups H05B 47/198-H05B 47/1995 are incomplete pending reclassification of documents from groups H05B 47/175, H05B 47/18, H05B 47/185, H05B 47/19 and H05B 47/195. All groups listed in this Warning should be considered in order to perform a complete search.

*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)

H05B 47/187

Definition statement

This place covers:

Circuit arrangements for controlling light sources by remote control using power over ethernet supplies.

USB operations (power and control) are also classified in this group.

H05B 47/197

Definition statement

This place covers:

Circuit arrangements for controlling light sources by remote control via wireless transmission using sound or voice control.

Configuration or calibration modes, switching from manual to automatic mode or prohibiting specific operations are classified in this group.

H05B 47/1975

Definition statement

This place covers:

Circuit arrangements for controlling light sources by remote control via wireless transmission using gesture control.

The gestures being captured by cameras or touch pads or using wearable sensing devices are classified in this group.

2. A. DEFINITIONS (modified)

H05B 47/17

Definition statement

Insert: The following new bullet point to the end of the existing Definition statement

- Configuration or calibration modes, switching from manual to automatic mode or prohibiting specific operations

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3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	H05B 47/17	H05B 47/17, H05B 47/172
C	H05B 47/175	H05B 47/175, H05B 47/196, H05B 47/1965, H05B 47/197, H05B 47/1975, H05B 47/198, H05B 47/1985, H05B 47/199, H05B 47/1995
C	H05B 47/18	H05B 47/18, H05B 47/183, H05B 47/184, H05B 47/196, H05B 47/1965, H05B 47/197, H05B 47/1975, H05B 47/198, H05B 47/1985, H05B 47/199, H05B 47/1995
C	H05B 47/185	H05B 47/185, H05B 47/187, H05B 47/196, H05B 47/1965, H05B 47/197, H05B 47/1975, H05B 47/198, H05B 47/1985, H05B 47/199, H05B 47/1995
C	H05B 47/19	H05B 47/19, H05B 47/196, H05B 47/1965, H05B 47/197, H05B 47/1975, H05B 47/198, H05B 47/1985, H05B 47/199, H05B 47/1995
C	H05B 47/195	H05B 47/195, H05B 47/196, H05B 47/1965, H05B 47/197, H05B 47/1975, H05B 47/198, H05B 47/1985, H05B 47/199, H05B 47/1995

* 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; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:

- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, do not use ranges of symbols.
- 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 (“To”) symbol, however it is required to specify “<no transfer>” in the “To” column for such cases.
- RCL is not needed for finalisation projects.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H05B 47/172	H05B 47/17	NEW
H05B 47/183	H05B 47/18	NEW
H05B 47/184	H05B 47/18	NEW
H05B 47/187	H05B 47/185	NEW
H05B 47/196	H05B 47/175	NEW
H05B 47/1965	H05B 47/175	NEW
H05B 47/197	H05B 47/175	NEW
H05B 47/1975	H05B 47/175	NEW
H05B 47/198	H05B 47/175	NEW
H05B 47/1985	H05B 47/175	NEW
H05B 47/199	H05B 47/175	NEW
H05B 47/1995	H05B 47/175	NEW

* Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with “NEW.”
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

- F symbols are not included in the CICL table above.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.