EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 756

DATE: JANUARY 1, 2020

PROJECT RP0649

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

Action	Subclass	Group(s)
SCHEME:		
Symbols Deleted:	H04M	1/274508, 1/274516, 1/274525, 1/274533, 2001/274541, 1/27455, 1/274558, 1/274566, 1/274575, 1/274583, 1/274591
Symbols New:	H04M	1/27453, 1/27457, 1/2746, 1/27463, 1/27467, 1/2747, 1/27475, 1/2748, 1/27485, 1/2749, 1/27495, 1/2753, 1/2757
Titles Changed:	H04M	subclass
	H04M	1/2745, 1/2755
Indents Changed:	H04M	1/2755
Warnings New:	H04M	1/2745, 1/27467, 1/2753
Notes Modified:	H04M	subclass
DEFINITIONS:		
Definitions Deleted:	H04M	1/274516, 1/274525, 1/27455, 1/274558, 1/274566, 1/274575, 1/274583, 1/274591
Definitions New:	H04M	1/2746, 1/2747, 1/27475, 1/2748, 1/27485, 1/2749,1/2757
Definitions Modified:	H04M	subclass
	H04M	1/2755

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

This Notice of Changes includes the following*:*

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)

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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)

H04M - TELEPHONIC COMMUNICATION (counting mechanisms G06M; circuits for controlling other apparatus via a telephone cable and not involving telephone switching apparatus G08; reels or other take-up devices for cords H02G 11/00; multiplex transmission between switching centres H04J; selecting arrangements H04Q; loudspeakers, microphones, gramophone pick-ups or like electromechanical transducers H04R)

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	H04M	0	TELEPHONIC COMMUNICATION (circuits for controlling other apparatus via a telephone cable and not involving telephone switching apparatus G08)	
C	H04M 1/2745	4	using static electronic memories, e.g. chips	H04M 1/2745, H04M 1/27467, H04M 1/2753
D	H04M 1/274508	5	{Telephone number directory allowing to store a plurality of information regarding one subscriber}	<administrative transfer to H04M 1/27453>
D	H04M 1/274516	5	{whose content are provided by data transmission or downloaded}	<administrative transfer to H04M 1/2757>
D	H04M 1/274525	5	{Retrieving by scrolling on a display}	<administrative transfer to H04M 1/2747>
N	H04M 1/27453	5	Directories allowing storage of additional subscriber data, e.g. metadata	
D	H04M 1/274533	5	{Telephone number directory management, e.g. manually editing, erasing or modifying data stored in the directory}	<administrative transfer to H04M 1/27457>
D	H04M 2001/274541	5	{Predictive input, predictive dialling by comparing the dialled sequence with the content of a telephone directory}	<administrative transfer to H04M 1/27463 >
D	H04M 1/27455	5	{Retrieving by interactive graphical means or pictorial representation}	<administrative transfer to H04M 1/27475>
D	H04M 1/274558	5	{Retrieving by matching an alphabetic string}	<administrative transfer to H04M 1/2748>
D	H04M 1/274566	5	{Appending a prefix or inserting a pause to a dialling sequence}	<administrative transfer to H04M 1/27485>

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#
N	H04M 1/27457	6	Management thereof, e.g. manual editing of data	
D	H04M 1/274575	5	{Automatic call origination and retry systems, e.g. on off-hook or redial on busy}	\<administrative transfer to H04M 1/2749>
D	H04M 1/274583	5	{Sorted according to a specific criteria, e.g. history or frequency of use}	\<administrative transfer to H04M 1/2746>
D	H04M 1/274591	5	{Implemented by means of discrete electronic components, i.e. neither programmable nor microprocessor controlled (H04M 1/274516 - H04M 1/274583 take precedence)}	\<administrative transfer to H04M 1/27495>
N	H04M 1/2746	6	Sorting, e.g. according to history or frequency of use	
N	H04M 1/27463	5	{Predictive input, predictive dialling by comparing the dialled sequence with the content of a telephone directory}	
N	H04M 1/27467	5	Methods of retrieving data	
N	H04M 1/2747	6	Scrolling on a display	
N	H04M 1/27475	6	using interactive graphical means or pictorial representations	
N	H04M 1/2748	6	by matching character strings	
N	H04M 1/27485	5	Appending a prefix to or inserting a pause into a dialling sequence	
N	H04M 1/2749	5	Automatic dialling or redialling systems, e.g. on off-hook or redial on busy	
N	H04M 1/27495	5	implemented by means of discrete electronic components, i.e. neither programmable nor microprocessor-controlled (H04M 1/27457-H04M 1/2749 take precedence)	
U	H04M 1/275	5	implemented by means of portable electronic directories	
N	H04M 1/2753	5	providing data content	
M	H04M 1/2755	6	by optical scanning	
N	H04M 1/2757	6	by data transmission, e.g. downloading	

*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 <u>subclasses</u>, 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} <u>are</u> 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 <u>must</u> 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.

B. New, Modified or Deleted Warning(s)

H04M- TELEPHONIC COMMUNICATION (counting mechanisms G06M; circuits for controlling other apparatus via a telephone cable and not involving telephone switching apparatus G08; reels or other take-up devices for cords H02G 11/00; multiplex transmission between switching centres H04J; selecting arrangements H04Q; loudspeakers, microphones, gramophone pick-ups or like electromechanical transducers H04R)

Type*	Location	Old Warning	New/Modified Warning
N	H04M 1/2745		Group H04M 1/2745 is impacted by reclassification into groups H04M 1/27467 and H04M 1/2753. Groups H04M 1/2745, H04M 1/27467, and H04M 1/2753 should be considered in order to perform a complete search.
N	H04M 1/27467		Group H04M 1/27467 is incomplete pending reclassification of documents from group H04M 1/2745. Groups H04M 1/2745 and H04M 1/27467 should be considered in order to perform a complete search.
N	H04M 1/2753		Group H04M 1/2753 is incomplete pending reclassification of documents from group H04M 1/2745. Groups H04M 1/2745 and H04M 1/2753 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.

C. New, Modified or Deleted Note(s)

H04M- TELEPHONIC COMMUNICATION (counting mechanisms G06M; circuits for controlling other apparatus via a telephone cable and not involving telephone switching apparatus G08; reels or other take-up devices for cords H02G 11/00; multiplex transmission between switching centres H04J; selecting arrangements H04Q; loudspeakers, microphones, gramophone pick-ups or like electromechanical transducers H04R)

Type*	Location	Old Note	New/Modified Note
M	H04M	1. This subclass covers: • telephonic communication systems combined with other electrical systems; • testing arrangements specially adapted for telephonic communication systems. .	**Insert** in Note 1 the following text as the <u>new</u> <u>first</u> bullet. • substation equipment;
M	H04M	2. In this subclass, expressions are used with the meanings indicated: • "subscriber" is a general term for terminal equipment, e.g. telephone for public use; • "substation" means subscriber or monitoring equipment which may connect a single subscriber to a line without choice as to subscriber; • "satellite" is a type of exchange the operation of which depends upon control signals received from a supervisory exchange; • "switching centres" includes exchanges and satellites.	**Replace** in Note 2 the text in the existing <u>first</u> bullet with the updated text shown below. • "subscriber" is a general term for terminal equipment, e.g. fixed, wireless, mobile or cellular phones, or for a user of terminal equipment; **Replace** in Note 2 the text in the <u>last</u> bullet with the updated text shown below. • "switching centres" include exchanges and satellites.

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

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

2. A. DEFINITIONS (New)

<u>Insert</u> the following NEW definitions.

H04M 1/2746

Definition statement

This place covers:

Telephone directory items sorted according to their frequency of use or other criteria.

Relationships with other classification places

Arrangements for providing access to frequently wanted subscribers at the exchange are classified in H04M 3/44.

H04M 1/2747

Definition statement

This place covers:

A telephone number retrieved by scrolling a list of names or corresponding telephone numbers on a display.

Relationships with other classification places

Devices for scrolling or navigating through a menu display are classified in G06F 3/033

H04M 1/27475

Definition statement

This place covers:

- Pictorial representations of persons to be called on a display
- Interactive graphical means for accessing the directory used for selecting the called party

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

Interaction techniques for graphical user interfaces per se	G06F 3/048

H04M 1/2748

Definition statement

This place covers:

Matching of entries of a directory with letters entered by a user on an alphanumeric keyboard of the name of a party to be called for retrieving the corresponding telephone number.

Relationships with other classification places

Characters input methods by using selection techniques to select from displayed items or by retrieval techniques based on prediction are classified in G06F 3/0236 or G06F 3/0237.

H04M 1/27485

Definition statement

This place covers:

For calling a subscriber in a different area or country by appending an area code or international prefix to the telephone number before dialling.

H04M 1/2749

Definition statement

This place covers:

Automatic dialling or redialling of a list of telephone numbers.

References:

Informative references:

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

Arrangements for calling back a calling subscriber	H04M 3/42195
Arrangements for recalling a calling subscriber when the wanted subscriber ceases to be busy	H04M 3/48

H04M 1/2757

Definition statement

This place covers:

Telephone terminals whose directory is downloaded from another terminal or from the network.

2. A. DEFINITIONS (Modified)

H04M

Limiting references

Delete: The following row from the Limiting references table.

Wireless communication networks	H04W

Informative references

Insert: The following <u>new</u> row in the Informative references table.

Wireless communication networks	H04W

H04M 1/2755

Definition statement

Delete: The following words (located before the image) from the Definition
statement section.

  Example US4975948

Delete: The <u>entire</u> Relationships with other classification places section.

Relationships with other classification places

Constructional details of hand-held scanners: G06K 2007/10524 and
G06K 7/10386

Arrangements for transferring data from a sensing device to distant
stations: G06K 17/0022

Insert: The following <u>new</u> References/Informative references section.

References

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

Constructional details of hand-held scanners	G06K 7/10386, G06K 2007/10524
Arrangements for transferring data from a sensing device to distant stations	G06K 17/0022

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2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H04M 1/274516	Entire definition	Entire definition	Delete the entire definition.
H04M 1/274525	Entire definition	Entire definition	Delete the entire definition.
H04M 1/27455	Entire definition	Entire definition	Delete the entire definition.
H04M 1/274558	Entire definition	Entire definition	Delete the entire definition.
H04M 1/274566	Entire definition	Entire definition	Delete the entire definition.
H04M 1/274575	Entire definition	Entire definition	Delete the entire definition.
H04M 1/274583	Entire definition	Entire definition	Delete the entire definition.
H04M 1/274591	Entire definition	Entire definition	Delete the entire definition.

NOTES:
- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.

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3.   REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	H04M 1/2745	H04M 1/2745, H04M 1/27467, H04M 1/2753
D	H04M 1/274508	< administrative transfer to H04M 1/27453>
D	H04M 1/274516	< administrative transfer to H04M 1/2757>
D	H04M 1/274525	< administrative transfer to H04M 1/2747>
D	H04M 1/274533	< administrative transfer to H04M 1/27457>
D	H04M 2001/274541	< administrative transfer to H04M 1/27463 >
D	H04M 1/27455	< administrative transfer to H04M 1/27475>
D	H04M 1/274558	< administrative transfer to H04M 1/2748>
D	H04M 1/274566	< administrative transfer to H04M 1/27485>
D	H04M 1/274575	< administrative transfer to H04M 1/2749>
D	H04M 1/274583	< administrative transfer to H04M 1/2746>
D	H04M 1/274591	< administrative transfer to H04M 1/27495>

* 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.

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

CPC	IPC	Action*
H04M 1/274508		DELETE
H04M 1/274516		DELETE
H04M 1/274525		DELETE
H04M 1/27453	H04M 1/27453	NEW
H04M 1/274533		DELETE
H04M 2001/274541		DELETE
H04M 1/27455		DELETE
H04M 1/274558		DELETE
H04M 1/274566		DELETE
H04M 1/27457	H04M 1/27457	NEW
H04M 1/274575		DELETE
H04M 1/274583		DELETE
H04M 1/274591		DELETE
H04M 1/2746	H04M 1/2746	NEW
H04M 1/27463	H04M 1/2745	NEW
H04M 1/27467	H04M 1/27467	NEW
H04M 1/2747	H04M 1/2747	NEW
H04M 1/27475	H04M 1/27475	NEW
H04M 1/2748	H04M 1/2748	NEW
H04M 1/27485	H04M 1/27485	NEW
H04M 1/2749	H04M 1/2749	NEW
H04M 1/27495	H04M 1/27495	NEW
H04M 1/2753	H04M 1/2753	NEW
H04M 1/2757	H04M 1/2757	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.