EUROPEAN PATENT OFFICE U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1022

DATE: JANUARY 1, 2021

PROJECT MP0420

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

Action	Subclass	<u>Group(s)</u>
SCHEME:		
Titles Changed:	H04M	Subclass, 1/00, 1/0295, 1/03, 1/04, 1/05,
-		1/08, 1/15, 1/18, 1/19, 1/21, 1/22, 1/24,
		1/253, 1/26, 1/274, 1/515, 1/52, 1/54,
		1/58, 1/677, 1/737, 1/76, 1/78
	H04M	3/00, 3/02, 3/04, 3/06, 3/10, 3/22, 3/34,
		3/36, 3/38, 3/42, 3/487, 3/56
	H04M	5/02, 5/12, 5/20
	H04M	7/00, 7/12
	H04M	9/00, 9/08
	H04M	11/00, 11/02, 11/04, 11/06, 11/08, 11/10
	H04M	19/02, 19/04, 19/06, 19/08
DEFINITIONS:		
Definitions New:	H04M	1/0295
	H04M	3/34, 3/36
	H04M	5/02
	H04M	9/08
Definitions Modified:	H04M	1/00, 1/03, 1/04, 1/05, 1/15, 1/18, 1/19,
		1/24, 1/26, 1/58, 1/76
	H04M	3/00, 3/02, 3/38, 3/42, 3/56
	H04M	7/00
	H04M	9/00
	H04M	11/02, 11/04, 11/06, 11/08, 11/10

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

1. CLASSIF	FICATION SCHEME CHANGES
\boxtimes	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. DEFINIT	IONS
\boxtimes	A. New or Modified Definitions (Full definition template)
\boxtimes	B. Modified or Deleted Definitions (Definitions Ouick Fix)

DATE: JANUARY 1, 2021

3.	REVISION CONCORDANCE LIST (RCL)
4.	CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5.	CHANGES TO THE CROSS-REFERENCE LIST (CRL)

DATE: JANUARY 1, 2021

PROJECT MP0420

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS H04M - TELEPHONIC COMMUNICATION (circuits for controlling other apparatus via a telephone cable and not involving telephone switching apparatus G08)

Type*	Symbol	Indent	Title Title	Transferred to [#]
		Level	"CPC only" text should normally be enclosed in {curly brackets}**	
		Number of dots (e.g. 0,	enclosed in {curry brackets}	
		1, 2)		
		<u> </u>		
M	H04M	Subclass	TELEPHONIC COMMUNICATION	
			(circuits for controlling other apparatus via	
			a telephone cable and not involving	
		_	telephone switching apparatus G08)	
M	H04M1/00	0	Substation equipment, e.g. for use by	
			subscribers (subscriber services or	
			facilities provided at exchanges	
			H04M3/00; prepayment telephone coin	
			boxes H04M17/00; current supply arrangements H04M19/08)	
M	H04M1/0295	2	{Mechanical mounting details of display	
IVI	1104111/02/3	2	modules}	
M	H04M1/03	2	Constructional features of telephone	
171		_	transmitters or receivers, e.g. telephone	
			hand-sets	
M	H04M1/04	2	Supports for telephone transmitters or	
			receivers	
M	H04M1/05	3	specially adapted for use on head, throat or	
			breast	
M	H04M1/08	4	associated with switches operated by the	
	110 43 51 /15		weight of the receiver or hand-set	
M	H04M1/15	2	Protecting or guiding telephone cords	
M	H04M1/18	2	Telephone sets specially adapted for use in	
			ships, mines, or other places exposed to	
			adverse environment (H04M1/19 takes	
N. /	H04M1/19	2	precedence)	
M	HU4WH/19	2	Arrangements of transmitters, receivers, or complete sets to prevent eavesdropping, to	
			attenuate local noise or to prevent	
			undesired transmission; Mouthpieces or	
			receivers specially adapted therefor	
			(circuit arrangements for preventing	
			eavesdropping H04M1/68; telephone	
			cabinets E04H1/14)	
M	H04M1/21	2	Combinations with auxiliary equipment,	
			e.g. with clocks or memoranda pads	
M	H04M1/22	2	Illumination; Arrangements for improving	
			the visibility of characters on dials	

DATE: JANUARY 1, 2021

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	H04M1/24	1	Arrangements for testing	
M	H04M1/253	1	Telephone sets using digital voice transmission	
M	H04M1/26	1	Devices for calling a subscriber (H04M1/66 takes precedence)	
M	H04M1/274	3	with provision for storing more than one subscriber number at a time {, e.g. using toothed disc}	
M	H04M1/515	2	by generating or selecting signals other than trains of pulses of similar shape, or signals other than currents of one or more different frequencies, e.g. generation of dc signals of alternating polarity, coded pulses or impedance dialling	
M	H04M1/52	2	Arrangements wherein a dial or the like is mechanically coupled to a line selector	
M	H04M1/54	3	Arrangements wherein a dial or the like generates identifying signals, e.g. in partyline systems	
M	H04M1/58	1	Anti-side-tone circuits	
M	H04M1/677	2	Preventing the dialling or sending of predetermined telephone numbers or selected types of telephone numbers, e.g. long distance numbers	
M	H04M1/737	3	Characterised by transmission of electromagnetic waves other than radio waves, e.g. infra-red waves	
M	H04M1/76	2	Compensating for differences in line impedance	
M	H04M1/78	1	Circuit arrangements in which low- frequency speech signals proceed in one direction on the line, while speech signals proceeding in the other direction on the line are modulated on a high-frequency carrier signal	
M	H04M3/00	0	Automatic or semi-automatic exchanges	
M	H04M3/02	1	Calling substations, e.g. by ringing (selective calling H04Q)	
M	H04M3/04	2	the calling signal being supplied from the final selector	
M	H04M3/06	2	the calling signal being supplied from the subscriber's line circuit	
M	H04M3/10	2	Providing fault- or trouble-signals	
M	H04M3/22	1	Arrangements for supervision, monitoring or testing	
M	H04M3/34	3	Testing for cross-talk	

DATE: JANUARY 1, 2021

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	<u>Transferred to[#]</u>
M	H04M3/36	2	Statistical metering, e.g. recording occasions when traffic exceeds capacity of trunks	
M	H04M3/38	1	Graded-service arrangements, i.e. some subscribers prevented from establishing certain connections (queuing arrangements H04Q3/64)	
M	H04M3/42	1	Systems providing special services or facilities to subscribers (specially adapted for wireless communication networks H04W4/00)	
M	H04M3/487	2	Arrangements for providing information services, e.g. recorded voice services or time announcements	
M	H04M3/56	2	Arrangements for connecting several subscribers to a common circuit, i.e. affording conference facilities (video conference systems H04N7/15)	
M	H04M5/02	1	Constructional details (jacks, jack-plugs H01R24/58)	
M	H04M5/12	1	Calling substations, e.g. by ringing	
M	H04M5/20	2	Arrangements for indicating the numbers of the incoming lines	
M	H04M7/00	0	Arrangements for interconnection between switching centres	
M	H04M7/12	1	for working between exchanges having different types of switching equipment, e.g. power-driven and step by step or decimal and non-decimal	
M	H04M9/00	0	Arrangements for interconnection not involving centralised switching	
M	H04M9/08	1	Two-way loud-speaking telephone systems with means for conditioning the signal, e.g. for suppressing echoes for one or both directions of traffic	
M	H04M11/00	0	Telephonic communication systems specially adapted for combination with other electrical systems	
M	H04M11/02	1	with bell or annunciator systems	
M	H04M11/04	1	with alarm systems, e.g. fire, police or burglar alarm systems	
M	H04M11/06	1	Simultaneous speech and data transmission, e.g. telegraphic transmission over the same conductors	
M	H04M11/08	1	specially adapted for optional reception of entertainment or informative matter	

DATE: JANUARY 1, 2021

PROJECT MP0420

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	H04M11/10	1	with dictation recording and playback systems	
M	H04M19/02	1	providing ringing current or supervisory tones, e.g. dialling tone or busy tone	
M	H04M19/04	2	the ringing-current being generated at the substations	
M	H04M19/06	1	in which current supply sources at subordinate switching centres are charged from the main exchange	
M	H04M19/08	1	with current supply sources at the substations (generating ringing current H04M 19/04)	

*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.

DATE: JANUARY 1, 2021

PROJECT MP0420

2. A. DEFINITIONS (New)

Insert the following new definitions.

H04M 1/0295

References

Informative references

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

For portable telephones	H04M 1/0266
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H04M 3/34

References

Informative references

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

Transmission in general	H04B

H04M 3/36

References

Informative references

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

DATE: JANUARY 1, 2021

PROJECT MP0420

H04M 5/02

References

Limiting references

This place does not cover:

Jacks, jack-plugs	H01R 24/58
• • • • • • • • • • • • • • • • • • •	

H04M 9/08

References

Informative references

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

For line transmission in general	H04B 3/20
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DATE: JANUARY 1, 2021

PROJECT MP0420

2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H04M1/00	Limiting references	Prepayment telephone coin box H04M 17/00 Current supply arrangements H04M 19/00	Replace in the Limiting references table the existing references with the following new references. Subscriber services or facilities provided at exchanges H04M 3/00 Prepayment telephone coin boxes H04M 17/00 Current supply arrangements H04M 19/08
H04M 1/03	Definition Statement	For example GB2190562	Delete the following text from the Definition statement section. For example GB2190562
H04M 1/03	Limiting references	References Limiting references This place does not cover. Mounting of a loudspeaker in a fixed telephone set for handsfree use H04M1/62.	<u>Delete</u> the entire existing Limiting references section.
H04M 1/03	Informative references		Insert the following new Informative references section. Informative references Attention is drawn to the following places, which may be of interest for search: Transducers in general H04R 1/00

DATE: JANUARY 1, 2021

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H04M 1/04	Definition Statement	Examples: US 7878474 B1 or US2008204978	Delete the following text from the Definition statement section. Examples US 7878474 B1 or US2008204978
H04M 1/04	Limiting references	Limiting references This place does not cover: Supports for a fixed telephone set H04M 1/11	Delete the entire Limiting references section.
H04M 1/04	Informative references		Insert the following new Informative references section. Informative references Attention is drawn to the following places, which may be of interest for search: Supports for a fixed telephone set H04M 1/11 Transducers in general H04R 1/00
H04M 1/05	Definition Statement	Example WO9945686	Delete the following text from the Definition statement section. Example WO9945686
H04M 1/05	Informative references		Insert the following new Informative references section. Informative references Attention is drawn to the following places, which may be of interest for search: Portable telephones adapted for handsfree use H04M 1/6041

DATE: JANUARY 1, 2021

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H04M 1/05	Synonyms and keywords	earphone?,earpiece,earset, earplug?, headphone?, headset?,microtelephone or hearing?aid?,(hearing w aid?), (ear w insert+)	Replace in the Synonyms and Keywords section the existing text with the following: In patent documents, the following words/expressions are often used as synonyms: • earphones • earpiece • earset • earplug • headphone • headset • microtelephone • hearing aid
H04M 1/15	Definition Statement	Example US2006215834.	Delete the following text from the Definition statement section. Example US2006215834.
H04M 1/18	Limiting references		Insert the following new Limiting references section. References Limiting references This place does not cover: Arrangements of transmitters, receivers, or complete sets to prevent eavesdropping H04M 1/19
H04M 1/19	Definition Statement	Example WO9712495	Delete the following text from the Definition statement section. Example WO9712495

DATE: JANUARY 1, 2021

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H04M 1/19	Limiting references		Insert the following new Limiting references section. References Limiting references This place does not cover: Circuit arrangements for preventing eavesdropping H04M1/68 Telephone cabinets E04H1/14
H04M 1/19	Special rules of classification	Special rules of classification Circuit arrangements for preventing eavesdropping H04M 1/68.	Delete the entire Special rules of classification section.
H04M 1/24	Informative references		Insert the following new Informative references section. Informative references Attention is drawn to the following places, which may be of interest for search: Measuring electric values G01R Testing transducers H04R 29/00
H04M 1/26	Limiting references	Limiting references Constructional features of keyboards. H04M 1/23	Replace in the Limiting references table the existing reference with the following new reference. With means for preventing unauthorized or fraudulent calling H04M 1/66

DATE: JANUARY 1, 2021

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H04M 1/26	Informative references		Insert the following new Informative references section. Informative references Attention is drawn to the following places, which may be of interest for search: Constructional features H04M 1/23
H04M 1/58	Informative references		Insert the following new Informative references section. Informative references Attention is drawn to the following places, which may be of interest for search: Hybrid circuits for carrier-frequency operation H04B 1/00
H04M 1/76	Informative references		Insert the following new Informative references section. Informative references Attention is drawn to the following places, which may be of interest for search: Transmission in general H04B
H04M 3/00	Limiting references	Constructional details and the switching fabric of a telephone exchange H04Q Constructional details of telephone exchanges H04Q 1/02 Selecting arrangements H04Q 3/00 – H04Q 5/00, H04Q 11/00, H04W	Replace in the Limiting references table the three existing references with the following reference. Constructional details of telephone exchange H04Q 1/02

DATE: JANUARY 1, 2021

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H04M 3/00	Informative references		Insert the following new Informative references section. Informative references Attention is drawn to the following places, which may be of interest for search: Selecting arrangements H04Q 3/00, H04Q 5/00 - H04Q 11/00 Wireless communication networks H04W
H04M 3/02	Limiting references	selectively calling a substation from a main station H04Q 9/00 One-way selective calling services H04W 4/06	Replace in the Limiting references table the existing references with the following reference. Constructional details and the switching fabric of a telephone exchange H04Q
H04M 3/02	Informative references		Insert the following new Informative references section. Informative references Attention is drawn to the following places, which may be of interest for search: One-way selective calling services H04W 4/06
H04M 3/38	Limiting references	queueing arrangements H04M 3/523, H04Q 3/64	Replace in the Limiting references table the existing reference with the following reference. Queueing arrangements H04Q 3/64

DATE: JANUARY 1, 2021

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H04M 3/38	Informative references		Insert the following new Informative references section. Informative references Attention is drawn to the following places, which may be of interest for search: With call distribution or queueing H04M 3/523
H04M 3/38	Synonyms and Keywords	In patent documents the following expressions/words "einschränkung des abgehenden verkehrs", "call restriction services", "service restriction in outgoing direction",and "outgoing call barring" are often used as synonyms.	Replace the first paragraph in the Synonyms and Keywords section with the following text. In patent documents, the following words/expressions are often used as synonyms: • call restriction services • service restriction in outgoing direction • outgoing call barring
H04M 3/38	Synonyms and Keywords	In patent documents the expression/word "forced authorization codes fac" is often used in this context.	Replace the second paragraph in the Synonyms and Keywords section with the following text. In patent documents, the following abbreviations are often used: FAC Forced Authorization Codes

DATE: JANUARY 1, 2021

<u>Symbol</u>	Location of	Existing reference symbol or text	Action; New symbol; New text
	change (e.g., section title)		
H04M 3/42	Limiting references		Insert the following new Limiting references section.
			References Limiting references This place does not cover:
			Specially adapted for wireless communication networks H04W4/00
H04M 3/56	Limiting references		Insert the following new Limiting references section.
			References Limiting references This place does not cover:
			Computer conferences H04L 12/1813
			Video conference systems H04N 7/15
H04M 7/00	Limiting references		Delete the entire Limiting references section.
H04M 7/00	Informative references		Insert the following new Informative references section.
			Informative references Attention is drawn to the following places, which may be of interest for search:
			Transmission arrangements in general H04B
			Selecting arrangements H04Q 3/00
H04M 9/00	Limiting references		Delete the entire Limiting references section.

DATE: JANUARY 1, 2021

Symbol	Location of change (e.g., section	Existing reference symbol or text	Action; New symbol; New text
110484 0/00	title)		
H04M 9/00	Informative references		Insert in the existing Informative references table the following rows.
			Constructional features of cordless telephones H04M 1/0202
			Subscriber line circuits (from the central exchange office) H04M 3/005
			Door telephones H04M 11/025
			Digital adaptive filtering H03H 21/0012
			Line echo cancelling H04B 3/23
H04M 11/02	Informative references		Insert the following new Informative references section.
			Informative references Attention is drawn to the following places, which may be of interest for search:
			Signalling in general G08
H04M 11/04	Informative references		Insert in the existing Informative references table the following new reference.
			Signalling in general G08
H04M 11/06	Informative references		Insert in the existing Informative references table the following new reference.
			Telegraphy in general H04L

DATE: JANUARY 1, 2021

PROJECT MP0420

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H04M 11/08	Informative references		Insert in the existing Informative references table the following new reference. Systems in which the information is continuously available on a carrier over the whole network H04H 20/81
H04M 11/10	Informative references		Insert in the existing Informative references table the following new reference. Information storage based on relative movement between record carrier and transducer G11B

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.