

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 912

DATE: AUGUST 1, 2020

PROJECT RP0525

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>SCHEME:</b>		
Symbols Deleted:	G10L	13/043
	G10L	15/265
	G10L	17/005
	G10L	19/0019
	G10L	21/0205
Symbols Deleted Pending Reclassification: (frozen (F))	G10L	21/0202
Titles Changed:	G10L	2015/226
	G10L	19/008
	G10L	25/00
Warnings New:	G10L	21/0202, 21/02, 21/0316, 21/0364, 2021/03643, 2021/03646
Notes Modified:	G10L	SUBCLASS
<b>DEFINITIONS:</b>		
Definitions Modified:	G10L	25/00

The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL):

G01C, G11B

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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CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

**SUBCLASS G10L - SPEECH ANALYSIS OR SYNTHESIS; SPEECH RECOGNITION; SPEECH OR VOICE PROCESSING; SPEECH OR AUDIO CODING OR DECODING**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <b>“CPC only” text should normally be enclosed in {curly brackets}**</b>	<u>Transferred to#</u>
D	G10L 13/043	3	{Synthesisers specially adapted to particular applications}	< administrative transfer to G10L13/00>
D	G10L 15/265	2	{Speech recognisers specially adapted for particular applications (devices for signalling identity of wanted subscriber in a telephonic communication equipment controlled by voice recognition H04M1/271; speech interaction details in interactive information services in a telephonic communication system H04M3/4936)}	< administrative transfer to G10L15/26>
M	G10L 2015/226	2	{using non-speech characteristics}	
D	G10L 17/005	1	{Speaker recognisers specially adapted for particular applications (G07C 9/25 takes precedence)}	< administrative transfer to G10L17/00>
D	G10L 19/0019	1	{Vocoders specially adapted for particular applications}	< administrative transfer to G10L19/00>
M	G10L 19/008	1	Multichannel audio signal coding or decoding using interchannel correlation to reduce redundancy, e.g. joint-stereo, intensity-coding or matrixing	
F	G10L 21/0202	2	{Applications}	G10L21/02, G10L21/0316, G10L21/0364, G10L2021/03643, G10L2021/03646
D	G10L 21/0205	3	{Enhancement of intelligibility of clean or coded speech}	< administrative transfer to G10L21/0364>

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	G10L 25/00	0	Speech or voice analysis techniques not restricted to a single one of groups G10L 15/00 - G10L 21/00 (muting semiconductor-based amplifiers when some special characteristics of a signal are sensed by a speech detector, e.g. sensing when no signal is present, H03G 3/34)	

\*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 G10L - SPEECH ANALYSIS OR SYNTHESIS; SPEECH RECOGNITION; SPEECH OR VOICE PROCESSING; SPEECH OR AUDIO CODING OR DECODING**

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	G10L 21/02		Group G10L 21/02 is incomplete pending reclassification of documents from group G10L 21/0202. Groups G10L 21/0202 and G10L 21/02 should be considered in order to perform a complete search.
N	G10L 21/0202		Group G10L 21/0202 is no longer used for the classification of documents as of August 1, 2020. The content of this group is being reclassified into groups G10L 21/02, G10L 21/0316, G10L 21/0364, G10L 2021/03643, and G10L 2021/03646. All groups listed in this Warning should be considered in order to perform a complete search.
N	G10L 21/0316		Group G10L 21/0316 is incomplete pending reclassification of documents from group G10L 21/0202. Groups G10L 21/0202 and G10L 21/0316 should be considered in order to perform a complete search.
N	G10L 21/0364		Group G10L 21/0364 is incomplete pending reclassification of documents from group G10L 21/0202. Groups G10L 21/0202 and G10L 21/0364 should be considered in order to perform a complete search.
N	G10L 2021/03643		Group G10L 2021/03643 is incomplete pending reclassification of documents from group G10L 21/0202. Groups G10L 21/0202 and G10L 2021/03643 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	G10L 2021/03646		Group G10L 2021/03646 is incomplete pending reclassification of documents from group G10L 21/0202. Groups G10L 21/0202 and G10L 2021/03646 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.

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C. New, Modified or Deleted Note(s)

**SUBCLASS G10L -- SPEECH ANALYSIS OR SYNTHESIS; SPEECH RECOGNITION; SPEECH OR VOICE PROCESSING; SPEECH OR AUDIO CODING OR DECODING**

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	G10L	<p>This subclass <u>does not cover</u>:</p> <ul style="list-style-type: none"> <li>• devices for the storage of speech signals, which are covered by subclasses G11B and G11C;</li> <li>• encoding of compressed speech signals for transmission or storage, which is covered by group H03M 7/30.</li> </ul>	<p>This subclass <u>does not cover</u>:</p> <ul style="list-style-type: none"> <li>• devices for the storage of speech or audio signals, which are covered by subclasses G11B and G11C;</li> <li>• encoding of compressed speech signals for transmission or storage, which is covered by group H03M 7/30.</li> </ul>

\*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.

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2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
G10L 25/00	Limiting references	<p>Karaoke or singing voice processing, parameter extraction for musical signal categorisation, electronic musical instruments G10H</p> <p>Gain or frequency control H03G 3/342</p> <p>DTX communication H04J 3/175</p> <p>Multiplex systems H04Q1/30</p>	<p><u>Replace</u>: The <u>four</u> existing rows within the Limiting references table with the following new <u>single</u> row.</p> <p>Muting amplifier when no signal is present <b>H03G 3/34</b></p>
G10L 25/00	Informative references		<p><u>Insert</u>: The following four new rows into the Informative references table.</p> <p>Karaoke or singing voice processing, parameter extraction for musical signal categorisation, electronic musical instruments <b>G10H</b></p> <p>Gain or frequency control <b>H03G 3/342</b></p> <p>DTX communication <b>H04J 3/175</b></p>

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<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
			Multiplex systems H04Q 1/30

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)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	G10L 13/043	<administrative transfer to G10L 13/00>
D	G10L 15/265	<administrative transfer to G10L 15/26>
D	G10L 17/005	<administrative transfer to G10L 17/00>
D	G10L 19/0019	<administrative transfer to G10L 19/00>
F	G10L 21/0202	G10L 21/02, G10L 21/0316, G10L 21/0364, G10L 2021/03643, G10L 2021/03646
D	G10L 21/0205	<administrative transfer to G10L 21/0364>

\* 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>
G10L 13/043		DELETE
G10L 15/265		DELETE
G10L 17/005		DELETE
G10L 19/0019		DELETE
G10L 21/0205		DELETE

\*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.

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5. CROSS-REFERENCE LIST (CRL)

Definitions references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G01C 21/36	G10L 15/265	Informative references	<p><u>Replace:</u> The existing symbol G10L 15/265 with the new symbol G10L 15/26 so that the table row reads as follows.</p> <p>Voice analysis, synthesis  <a href="#">G10L 15/26</a></p>
G11B 20/10527	G10L 21/0205	Informative references	<p>Replace the existing symbol G10L 21/0205 with the new symbol G10L 21/0364 so that the table row reads as follows.</p> <p>Audio processing for audio quality enhancement  <a href="#">G10L 21/0364</a></p>

NOTES:

- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions **inside** the project scope will be reflected in the “scheme change” template or one of the “definition” templates.
- In addition to other changes proposed in the tables above, in the column titled “Referenced subclass or group to be changed,” **referenced** D symbols should indicate an action of “delete” or should indicate a replacement symbol and **referenced** F symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.