

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1364

DATE: JANUARY 1, 2023

PROJECT MP11918

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:	G10H	Subclass
	G10H	1/00, 1/0008, 1/0033, 1/0041, 1/02, 1/08, 1/125, 1/14, 1/16, 1/26, 1/34, 1/348, 1/363, 1/40
	G10H	3/143
	G10H	5/007
	G10H	7/00, 7/008
Warnings Modified:	G10H	Subclass
DEFINITIONS:		
Definitions New:	G10H	1/08, 1/125, 1/14, 1/348, 1/363, 3/143
Definitions Modified:	G10H	1/00, 1/0008, 1/06, 1/34, 1/40
	G10H	3/00
	G10H	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)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS G10H - ELECTROPHONIC MUSICAL INSTRUMENTS (electronic circuits in general H03)

<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	G10H	Subclass	ELECTROPHONIC MUSICAL INSTRUMENTS; INSTRUMENTS IN WHICH THE TONES ARE GENERATED BY ELECTROMECHANICAL MEANS OR ELECTRONIC GENERATORS, OR IN WHICH THE TONES ARE SYNTHESISED FROM A DATA STORE	
M	G10H1/00	0	Details of electrophonic musical instruments	
M	G10H1/0008	1	{Associated control or indicating means}	
M	G10H1/0033	1	{Recording/reproducing or transmission of music for electrophonic musical instruments}	
M	G10H1/0041	2	{in coded form}	
M	G10H1/02	1	Means for controlling the tone frequencies, e.g. attack or decay; Means for producing special musical effects, e.g. vibratos or glissandos	
M	G10H1/08	3	by combining tones (G10H 1/14, G10H 1/16 take precedence; chord G10H 1/38)	
M	G10H1/125	4	{using a digital filter}	
M	G10H1/14	3	during execution {(voice controlled instruments G10H5/005)}	
M	G10H1/16	3	by non-linear elements (G10H 1/14 takes precedence)	
M	G10H1/26	2	for automatically producing a series of tones	
M	G10H1/34	2	Switch arrangements, e.g. keyboards or mechanical switches specially adapted for electrophonic musical instruments	
M	G10H1/348	4	{Switches actuated by parts of the body other than fingers}	
M	G10H1/363	3	{using optical disks, e.g. CD, CD-ROM, to store accompaniment information in digital form}	
M	G10H1/40	2	Rhythm	
M	G10H3/143	3	{characterised by the use of a piezo-electric or magneto-strictive transducer}	
M	G10H5/007	1	{Real-time simulation of G10B, G10C, G10D-type instruments using recursive or	

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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>
			non-linear techniques, e.g. waveguide networks, recursive algorithms}	
M	G10H7/00	0	Instruments in which the tones are synthesised from a data store, e.g. computer organs	
M	G10H7/008	1	{Means for controlling the transition from one tone waveform to another}	

*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 G10H - ELECTROPHONIC MUSICAL INSTRUMENTS (electronic circuits in general H03)

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	G10H	In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.	{In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.}

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2. A. DEFINITIONS (new)

Insert: The following new Definitions.

G10H 1/08

References

Limiting references

This place does not cover:

Circuits for establishing the harmonic content of tones during execution	G10H 1/14
Circuits for establishing the harmonic content of tones by non-linear elements	G10H 1/16
Chord	G10H 1/38

Informative references

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

Speech analysis or synthesis	G10L
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G10H 1/125

References

Informative references

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

Digital filters per se	H03H 17/02
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G10H 1/14

References

Limiting references

This place does not cover:

Voice controlled instruments	G10H 5/005
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Informative references

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

Modulation during execution	G10H 1/053
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G10H 1/348

References

Informative references

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

Pedals or pedal mechanisms for wind-actuated organs	G10B 3/14
Pedals or pedal mechanisms for pianos	G10C 3/26

G10H 1/363

References

Informative references

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Recording or reproducing by optical means	G11B 7/00
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G10H 3/143

References

Informative references

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

Piezo-electric or magnetostrictive loudspeakers for mechanical vibrations	B06B, G10K
Piezo-electric or magnetostrictive transducers or microphones	H04R 15/00, H04R 17/00

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2. A. DEFINITIONS (Modified)

G10H 1/00

References

Delete: The entire Limiting references section.

Informative references

Replace: The existing Informative references table with the following revised table.

Instruments in which the tones are generated by electromechanical means	G10H 3/00
Instruments in which the tones are generated by means of electronic generators	G10H 5/00
Voice controlled electrophonic musical instruments	G10H 5/005
Real-time simulation of G10B, G10C, G10D-type instruments using recursive or non-linear techniques, e.g. waveguide networks, recursive algorithms	G10H 5/007
Electrophonic musical instrument processor architecture	G10H 7/002
Sample based waveform production processes from data store samples in electrophonic musical instruments	G10H 7/02
Functions based waveform production processes with parameters stored in data store in electrophonic musical instruments	G10H 7/08
Details or accessories of organs, harmoniums or similar wind instruments	G10B 3/00
Details or accessories of pianos, harpsichords, spinets or similar stringed musical instruments with one or more keyboards	G10C 3/00
Arrangements for producing a reverberation or echo sound	G10K 15/08

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G10H 1/0008**References**Delete: The entire Limiting references section.**Informative references**Replace: The existing Informative references table with the following revised table.

Musical transmission parameters, protocols, transmission or storage formats or encoding for transmission or storage	G10H 1/0033
Information retrieval of audio data	G06F 16/60
Teaching of music per se	G09B 15/00
Means for the representation of music	G10G 1/00
Chord or note indicators, fixed or adjustable, for keyboard of fingerboards	G10G 1/02

G10H 1/06**References**Delete: The entire Limiting references section.Insert: The following new Informative references section.**Informative references***Attention is drawn to the following places, which may be of interest for search:*

Time-dependent modulation of amplitude or pitch parameters	G10H 1/04
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G10H 1/34**References**Delete: The existing Limiting references section.**Informative references**Insert: The following new row into the Informative references table.

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Controlling tone frequencies by continuous modulation by switches with variable impedance elements	G10H 1/055
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G10H 1/40**References**

Delete: The entire Limiting references section.

Informative references

Insert: The following new row into the Informative references table.

Synchronisation of music with video	G10H 1/368
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G10H 3/00**References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

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

Loudspeaker enclosure specifically adapted to a musical instrument and interacting with musically, structurally or ergonomically relevant parts of the musical instrument	G10H 1/32
Acoustic musical instruments equipped with microphones or microphone, e.g. microphone positioning on specific acoustic instruments; musical instruments	G10C - G10F
Microphones or loudspeakers	H04R
Loudspeaker enclosures	H04R 1/02, H04R 1/28
Special adaptations for use as contact microphones, e.g. on musical instrument, on stethoscope	H04R 1/46

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G10H 7/00

References

Informative references

Replace: The existing Informative references table with the following revised table.

Synthesis of acoustic waves not specific to musical instruments	G10K 15/02
Speech synthesis	G10L 13/00
Speech or audio signal analysis-synthesis for redundancy reduction	G10L 19/00