

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1363

DATE: JANUARY 1, 2023

PROJECT MP11919

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:	G10K	Subclass
	G10K	1/00, 1/062, 1/065, 1/076, 1/36
	G10K	7/02, 7/06
	G10K	9/00, 9/18
	G10K	11/18, 11/26, 11/28
	G10K	15/02
Warnings Modified:	G10K	Subclass
DEFINITIONS:		
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)		
Definitions New:	G10K	1/062, 1/065, 1/076, 1/36
	G10K	7/02, 7/06
	G10K	9/18
	G10K	11/18, 11/28
Definitions Modified:	G10K	Subclass
	G10K	1/00, 5/00, 7/00, 9/00, 11/26, 15/02

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)

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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)

SUBCLASS G10K -SOUND-PRODUCING DEVICES (sound-producing toys A63H 5/00); METHODS OR DEVICES FOR PROTECTING AGAINST, OR FOR DAMPING, NOISE OR OTHER ACOUSTIC WAVES IN GENERAL; ACOUSTICS 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> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	G10K	Subclass	SOUND-PRODUCING DEVICES; METHODS OR DEVICES FOR PROTECTING AGAINST, OR FOR DAMPING, NOISE OR OTHER ACOUSTIC WAVES IN GENERAL; ACOUSTICS NOT OTHERWISE PROVIDED FOR	
M	G10K1/00	0	Devices in which sound is produced by striking a resonating body, e.g. bells, chimes or gongs (multi-toned musical instruments G10D 13/08; automatic carillons G10F 1/10)	
M	G10K1/062	2	electrically operated	
M	G10K1/065	5	for timed or repeated operation	
M	G10K1/076	4	for timed or repeated operation	
M	G10K1/36	3	Means for silencing or damping	
M	G10K7/02	1	in which the sound-producing member is rotated manually or by a motor (G10K7/06 takes precedence)	
M	G10K7/06	1	in which the sound-producing member is driven by a fluid, e.g. by a compressed gas	
M	G10K9/00	0	Devices in which sound is produced by vibrating a diaphragm or analogous element, e.g. fog horns, vehicle hooters or buzzers (loudspeakers or like acoustic electromechanical transducers H04R)	
M	G10K9/18	1	Details, e.g. bulbs, pumps, pistons, switches or casings	
M	G10K11/18	1	Methods or devices for transmitting, conducting or directing sound (G10K 11/02, G10K 11/36 take precedence)	
M	G10K11/26	2	Sound-focusing or directing, e.g. scanning	
M	G10K11/28	3	using reflection, e.g. parabolic reflectors	
M	G10K15/02	1	Synthesis of acoustic waves (synthesis of speech G10L13/00)	

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*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 G10K -SOUND-PRODUCING DEVICES (sound-producing toys A63H 5/00); METHODS OR DEVICES FOR PROTECTING AGAINST, OR FOR DAMPING, NOISE OR OTHER ACOUSTIC WAVES IN GENERAL; ACOUSTICS NOT OTHERWISE PROVIDED FOR

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	G10K	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.}

*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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2. A. DEFINITIONS (new)

G10K1/062

References:

Informative references:

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

Self-interrupting relays	H01H51/34
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G10K1/065

References:

Informative references:

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

Producing acoustic time signals by electrical means for electromechanical alarm-clocks	G04C21/00
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G10K1/076

References:

Informative references:

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

Producing acoustic signals by non-electrical means for mechanically-driven alarm-clocks	G04B23/00
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G10K1/36

References:

Informative references:

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

Means or arrangements for avoiding or reducing out-of-balance forces due to motion	F16F15/00
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G10K7/02

References:

Limiting references:

This place does not cover:

Sirens in which the sound-producing member is driven by a fluid	G10K7/06
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Informative references:

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

Musical tops	A63H1/28
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G10K7/06

References:

Informative references:

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

Fluidically operated vibrators	B06B1/18
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G10K9/18

References:

Informative references:

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Cones, diaphragms	G10K13/00
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G10K11/18**References:*****Limiting references:****This place does not cover:*

Mechanical acoustic impedances; Impedance matching, e.g. by horns; Acoustic resonators	G10K11/02
Devices for manipulating acoustic surface waves	G10K11/36

Application-oriented references:*Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

Medical stethoscopes	A61B7/02
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G10K11/28**References:*****Application-oriented references:****Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

Hearing aids	A61F11/30
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2. A. DEFINITIONS (Modified)

G10K

References:

Delete: The Limiting references section and table.

Application-oriented references:

Insert: The following new row into the Application-oriented references table.

Sound producing toys	A63H5/00
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G10K1/00

References:

Delete: The Informative references table and section

Limiting references:

Replace: The Limiting references table with the updated one below.

Multi-toned musical instruments	G10D 13/08
Automatic carillons	G10F 1/10

Application-oriented references:

Insert: New Application-oriented references section and table.

Combinations with clocks or watches	G04B, G04C
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G10K5/00

References:

Delete: The Limiting references section and table.

Insert: New Informative references section and table.

Informative references:

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

Whistling kettles	A47J 27/212
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G10K7/00

References:

Delete: The Limiting references section and table.

Insert: New Informative references section and table.

Informative references:

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

Sirens in which the sound is created by a vibrating membrane	G10K 9/00
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G10K9/00

References:

Limiting references:

Delete: The other table rows EXCEPT the one below:

The construction of, or circuits for, broadband-transducers, such as loudspeakers, microphones or like acoustic electromechanical transducers	H04R
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Informative references:

Insert: New Informative references table and section.

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Mechanically driven vibrators	B06B 1/10
Arrangements or adaptations of acoustic signalling devices for ships	B63B 45/08

G10K11/26**References:**Delete: The Limiting references section and table.Insert: New Informative references section and table.**Informative references:***Attention is drawn to the following places, which may be of interest for search:*

Horns for impedance matching	G10K 11/02
Megaphones	G10K 11/08

G10K15/02**Definition statement***This place covers:*

Modulation, parametric techniques

References:**Limiting references:**Replace: The existing Limiting references table with the updated one below.

Synthesis of speech	G10L13/00
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Informative references:Insert: New Informative references section and table.

Generation of tones in electrophonic musical instruments	G10H
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