EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1361

DATE: JANUARY 1, 2023

PROJECT DP11926

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

Action	Subclass	Group(s)
DEFINITIONS:		
Definitions Deleted:	F16H	41/32
Definitions Modified:	B23D	67/00
	B62D	63/00
	C08L	95/00
	F02D	45/00
	F15B	SUBCLASS
	F16H	31/00
	F16H	35/02
	F16H	37/12
	G10L	SUBCLASS

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)

2. A. DEFINITIONS (modified)

B23D 67/00

Definition statement

Insert: The following line of text as the second paragraph in the Definition statement.

Illustrative example(s) of the subject matter classified in this group:

References

Limiting references

This place does not cover:

Replace: The existing Limiting references table with the following updated table.

Securing arrangements for files or rasps	B23D 71/00

Insert: The following new Application-oriented references section.

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:

Sharpening saw teeth by filing	B23D 63/10

Informative references

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

Replace: In the following row of the Informative references table, the existing symbol with the updated symbol shown below.

Retreading tyres	B29D 30/54

Insert: The following new reference in the Informative references table.

Sharpening files by etching	C23F 1/06

Special rules of classification

Delete: The term "ECLA" from the paragraph in Special rules of classification.

Classification in group B23D 67/00 is simply according to a literal interpretation of the group and subgroup headings, taking into account the notes concerning precedence and the references contained within the subgroups.

B62D 63/00

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:

Understructures, i.e. chassis frames, characterised by the vehicle type	B62D 21/18
Trailer chassis	B62D 21/20
Semi-trailers	B62D 53/06
Adaptations of trailers for specific purposes	B60P

C08L 95/00

Informative references

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

Delete: The following row from the Informative references table.

Noise or sound or vibration damping materials based upon bituminous materials	See the appropriate classes

Special rules of classification

Replace: The following paragraph of Special rules of classification beginning with "In this group…" with the updated paragraph below. The rest of the Special rules section should remain as-is.

In this group, C-Sets (e.g. #C8La, #C8La (Si), #C8Lb, and #C8Lb (Si)) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the "Special rules of classification" in C08L.

F02D 45/00

References

Informative references

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

Delete: The following row from the Informative references table.

Electrical control of one of the functions; ignition, lubricating, cooling, starting, intake-heating, see relevant subclasses for such functions, see the relevant subclasses for such functions, e.g.	F02P, F01N, F01P, F02N, F02M

Delete: The entire Special rules of classification section.

F15B

References

Insert: The following new Application-oriented references section.

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:

Fluid clutches or brakes	F16D
Fluid springs	F16F
Fluid gearing	F16H
Fluid-operating means for valves	F16K 31/12

Informative references

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

<u>Delete</u>: The following four rows from the Informative references table.

Fluid clutches or brakes	F16D
Fluid springs	F16F
Fluid gearing	F16H
Fluid operating means for valves	F16K 31/12

F16H 31/00

Informative references

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

<u>Delete</u>: The following row from the Informative references table.

Gearings involving the use of automatic changing-mechanisms, e.g. cyclically-actuated reversal gearings	see the appropriate groups

F16H 35/02

Informative references

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

<u>Delete</u>: The following row from the Informative references table.

Speed-changing mechanisms operating cyclically	see the appropriate groups

F16H 37/12

Informative references

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

<u>Delete</u>: The following row from the Informative references table.

Toothed or friction gearing or cam gearing with only an additional lever or link	see the appropriate group for the main gearing

G10L

Definition statement

<u>Replace</u>: The existing Definition statement text with the following updated text.

This place covers:

- processing of speech or voice signals in general (G10L 25/00);
- production of synthetic speech signals, text to speech systems (G10L 13/00);
- recognition of speech (G10L 15/00);
- lyrics recognition from a singing voice (G10L 15/00);
- speaker identification, authentication or verification (G10L 17/00);
- singer recognition from a singing voice (G10L 17/00);
- analysis of speech signals for bandwidth compression or extension, bit-rate or redundancy reduction (G10L 19/00);
- coding/decoding of audio signals for compression and expansion using analysis-synthesis, source filter models or psycho-acoustic analysis (G10L 19/00);
- modification of speech signals, speech enhancement, source separation (G10L 21/00);

- processing of the speech or voice signal to produce another audible or non-audible signal, e.g., visual or tactile, in order to modify its quality or its intelligibility (G10L 21/00);
- noise filtering or echo cancellation in an audio signal (G10L 21/00);
- speech or voice analysis techniques specially adapted to analyse or modify audio signals not necessarily including speech or voice are also covered in subgroups (G10L 21/00, G10L 25/00).

References

Limiting references

This place does not cover:

Replace: The existing Limiting references table with the following updated table.

Devices for the storage of speech signals	G11B
Static stores	G11C
Encoding of compressed speech signals for transmission or storage	H03M 7/30

Informative references

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

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

Larynxes or tracheae prosthesis implantable into the body	A61F 2/20
Measurement of sound waves in general	G01H
Sound input/output for computers	G06F 3/16
Digital data processing methods or equipment specially adapted for handling, processing or translating natural language data	G06F 40/00
General pattern recognition	G06F 18/00

Image data processing	G06T
Teaching or communicating with the blind, deaf or mute	G09B
Electronic musical instruments	G10H
Sound production	G10K
Electronic circuits for sound generation	H03B
Amplifiers	H03F
Gain or frequency control	H03G 3/00
Electronic filters	H03H
Coding, decoding or code conversion, error protection in general	H03M
Broadcasting	H04H
Secret communication	H04K 1/00
Encoding of compressed speech signals for transmission or storage	H04L
Telephonic communication	H04M
Switching systems	H04Q
Microphone arrangements, hearing aids, public address systems	H04R
Spatial sound recording	H04R 5/00
Spatial sound reproduction	H04S

Insert: The following new Synonyms and Keywords section.

Synonyms and Keywords

In patent documents, the following abbreviations are often used:

AAC	Advanced Audio Coding
ACELP	Algebraic Code Excited Linear Prediction

ADPCM	Adaptive Differential Pulse Code Modulation
AMR, AMR-NB	Adaptive Multi-Rate
AMR-WB	Adaptive Multi-Rate Wideband
ANN	Artificial Neural Network
AR	Autoregressive
ASR	Automatic Speech Recognition
BLP	Backward Linear Prediction
BP	Back Propagation
BSAC	Bit Sliced Arithmetic Coding (audio coding from MPEG-4 Part 3)
CELP	Code Excited Linear Prediction
DCT	Discrete Cosine Transform
DFT	Discrete Fourier Transform
DPCM	Differential Pulse Code Modulation
DRM	Digital Rights Management
DTX	Discontinuous Transmission
EVRC, EVRC-B	Enhanced Variable Rate CODEC
FFT	Fast Fourier Transform
FIR	Finite Duration Impulse Response
FLP	Forward Linear Prediction
GMM	Gaussian mixture model
HMM	Hidden Markov model
HVXC	Harmonic Vector eXcitation Coding
IDCT	Inverse Discrete Cosine Transform
IVR	Interactive Voice Response

LMS	Least Mean Square
LPC	Linear Predictive Coding
LSF	Line Spectral Frequencies
LSP	Line Spectral Pairs
LTP	Long Term Prediction
MBE	Multi-Band Excitation
MDCT	Modified Discrete Cosine Transform
MELP	Mixed Excitation Linear Prediction
MLP	Multi-Layer Perceptron
MP3	MPEG1 or MPEG2 audio layer III
MPEG	Motion Picture Experts Group
MPEG 1 audio	Standard ISO/IEC 11172-3
MPEG 2 audio	Standard ISO/IEC 13818-3
MPEG 4 audio	Standard ISO/IEC 14496-3
MPEG 21	Standard ISO/IEC 21000
MSE	Mean Square Error
NB – WB	Narrowband – Wideband
PARCOR	Partial Correlation
PWI	Prototype Waveform Interpolation
RELP	Residual Excited Linear Prediction
SBR	Spectral Band Replication
TDNN	Time Delay Neural Network
TTS	Text-to-Speech
USAC	Unified Speech and Audio Coding
VoIP	Voice over Internet Protocol

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VLSR	Very Large Speech Recognition
VQ	Vector Quantization
VSELP	Vector Sum Excited Linear Prediction
V/UV	Voiced/Unvoiced
VXML or VoiceXML	W3C's standard XML format

2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
F16H 41/32			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.