EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1755

DATE: MAY 1, 2025

PROJECT RP11657

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

Action	Subclass	Group(s)
SCHEME:		
Symbols Deleted:	C12N	2303/00
Symbols New:	C12N	9/222, 9/224, 9/226
	C12N	2300/00
Titles Changed:	C12N	9/22
	C12N	2310/14, 2310/20
Warnings New:	C12N	9/22, 9/222
	C12N	2310/20
Notes Deleted:	C12N	2303/00
Notes New:	C12N	2300/00
Notes Modified:	C12N	15/11
Guidance Headings New:	C12N	2300/00
	C12N	2500/00

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 C12N - MICROORGANISMS OR ENZYMES; COMPOSITIONS THEREOF; PROPAGATING, PRESERVING, OR MAINTAINING MICROORGANISMS; MUTATION OR GENETIC ENGINEERING; CULTURE MEDIA (microbiological testing media C12Q 1/00)

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#
C	C12N9/22	3	Ribonucleases {[RNase]; Deoxyribonucleases [DNase]}	C12N9/22, C12N9/222, C12N9/224, C12N9/226
N	C12N9/222	4	{Clustered regularly interspaced short palindromic repeats [CRISPR]-associated [CAS] enzymes}	
N	C12N9/224	5	{Class 1 CAS enzyme complex, e.g. multi-enzyme}	
N	C12N9/226	5	{Class 2 CAS enzyme complex, e.g. single CAS protein}	
D	C12N2303/00	0	Indexing codes associated with general methodologies in the field of biologically active non-coding nucleic acids	<administrative transfer to C12N2300/00>
N	C12N2300/00	0	Indexing codes associated with general methodologies in the field of biologically active non-coding nucleic acids	
M	C12N2310/14	2	interfering nucleic acids [NA]	
C	C12N2310/20	2	involving clustered regularly interspaced short palindromic repeats [CRISPR]	C12N2310/20, C12N9/22, C12N9/222, C12N9/224, C12N9/226

*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.
- For more details about the types of scheme change, see CPC Guide.

B. New, Modified or Deleted Warning(s)

SUBCLASS C12N - MICROORGANISMS OR ENZYMES; COMPOSITIONS THEREOF; PROPAGATING, PRESERVING, OR MAINTAINING MICROORGANISMS; MUTATION OR GENETIC ENGINEERING; CULTURE MEDIA (microbiological testing media C12Q 1/00)

Type*	Location	Old Warning	New/Modified Warning
N	C12N 9/22		Group C12N 9/22 is incomplete pending reclassification of documents from group C12N 2310/20. Group C12N 9/22 is also impacted by reclassification into groups C12N 9/222 - C12N 9/226. Groups C12N 9/22, C12N 9/222 - C12N 9/226 and C12N 2310/20 should be considered in order to perform a complete search.
N	C12N 9/222		Groups C12N 9/222 - C12N 9/226 are incomplete pending reclassification of documents from groups C12N 9/22 and C12N 2310/20. All groups listed in this Warning should be considered in order to perform a complete search.
N	C12N 2310/20		Group C12N 2310/20 is impacted by reclassification into groups C12N 9/22, C12N 9/222, C12N 9/224 and C12N 9/226. All groups listed in this Warning 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 C12N - MICROORGANISMS OR ENZYMES; COMPOSITIONS THEREOF; PROPAGATING, PRESERVING, OR MAINTAINING MICROORGANISMS; MUTATION OR GENETIC ENGINEERING; CULTURE MEDIA (microbiological testing media C12Q 1/00)

Type*	Location	Old Note	New/Modified Note
M	C12N15/11	Documents relating to DNA or its corresponding RNA and their use in recombinant DNA technology or the preparation of specific peptides, e.g. enzymes, are classified in subclass C07K or in group C12N 9/00 according to the peptides, with the appropriate indexing codes relating to their use in recombinant technology. Groups C12N 15/11 - C12N 15/117 cover also the use of non-coding nucleic acids as active ingredients in medicinal preparations. The C12N 2303/00 ICO scheme has to be applied to these groups. When documents classifiable in one or more subgroups disclose general principles of the technology applicable to the whole field, classification is also made in group C12N 15/111	{Documents relating to DNA or its corresponding RNA and their use in recombinant DNA technology or the preparation of specific peptides, e.g. enzymes, are classified in subclass C07K or in group C12N 9/00 according to the peptides, with the appropriate indexing codes relating to their use in recombinant technology. Groups C12N 15/11 - C12N 15/117 cover also the use of non-coding nucleic acids as active ingredients in medicinal preparations. The C12N 2300/00 indexing scheme has to be applied to these groups. When documents classifiable in one or more subgroups disclose general principles of the technology applicable to the whole field, classification is also made in group C12N 15/111.}
D	C12N2303/00	Indexing codes of group C12N 2303/00 are only used in combination with group C12N 15/111	
N	C12N2300/00		Indexing codes of group C12N 2300/00 are only used in combination with groups C12N 15/11 - C12N15/117. An exception is made for C12N2310/20, which may be applied to CRISPR with any appropriate C12N main trunk symbol.

*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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D.   New, Modified or Deleted Guidance Heading(s)

SUBCLASS C12N - MICROORGANISMS OR ENZYMES; COMPOSITIONS THEREOF; PROPAGATING, PRESERVING, OR MAINTAINING MICROORGANISMS; MUTATION OR GENETIC ENGINEERING; CULTURE MEDIA (microbiological testing media C12Q 1/00)

Type*	Location	Old Guidance Heading	New/Modified Guidance Heading
N	C12N2300/00 - C12N2330/00		Active non-coding nucleic acids
N	C12N2500/00 - C12N2539/00		Cell culture; Cell-based diagnostics; Cell differentiation

*N = new guidance heading, M = modified guidance heading, D = deleted guidance heading

NOTES:
- The "Location" column requires the symbol AFTER the guidance heading location. No further directions such as "before" or "after" are required.
- In cases where there may be confusion as to whether a new group falls within the scope of a guidance heading, indicate the guidance heading and whether the group does or does not go with the guidance heading.   This can be included in the "Location" column. For example, the guidance heading "Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen" encompasses groups C07C 301/00-395/00 only. If a new group C07C 398/00 is proposed and is included in the guidance heading scope, indicate this in the "Location" column as follows: 398/00 to be included under the guidance heading: "Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen."

3.	REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	C12N 9/22	C12N 9/22, C12N 9/222, C12N 9/224, C12N 9/226
D	C12N 2303/00	<administrative transfer to C12N 2300/00>
C	C12N 2310/20	C12N 2310/20, C12N 9/22, C12N 9/222, C12N 9/224, C12N 9/226

* 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 finalization projects.

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

CPC	**IPC**	**Action***
C12N 9/222	C12N 9/22	NEW
C12N 9/224	C12N 9/22	NEW
C12N 9/226	C12N 9/22	NEW
C12N 2300/00	CPCONLY	NEW
C12N 2303/00		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 <u>not</u> 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.