EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1255

DATE: FEBRUARY 1, 2022

PROJECT RP0715

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

Action	**Subclass**	**Group(s)**
SCHEME:		
Symbols Deleted:	C12N	2700/00
Symbols New:	C12N	2796/00
Titles Changed:	C12N	2710/00, 2710/00011, 2710/00088, 2710/10088, 2710/10188, 2710/10288, 2710/10388, 2710/12088, 2710/14088, 2710/16088, 2710/16188, 2710/16288, 2710/16388, 2710/16488, 2710/16588, 2710/16688, 2710/16788, 2710/18088, 2710/20088, 2710/22088, 2710/24088, 2710/24188, 2710/24288
	C12N	2720/00, 2720/00011, 2720/00088, 2720/10088, 2720/12088, 2720/12188, 2720/12288, 2720/12388
	C12N	2730/00, 2730/00011, 2730/00088, 2730/10088, 2730/10188
	C12N	2740/00, 2740/00011, 2740/00088, 2740/10088, 2740/11088, 2740/12088, 2740/13088, 2740/14088, 2740/15088, 2740/16088, 2740/16188, 2740/16288, 2740/16388, 2740/17088
	C12N	2750/00, 2750/00011, 2750/00088, 2750/10088, 2750/12088, 2750/14088, 2750/14188, 2750/14288, 2750/14388
	C12N	2760/00, 2760/00011, 2760/00088, 2760/10088, 2760/10188, 2760/12088, 2760/12188, 2760/12288, 2760/14088, 2760/14188, 2760/14288, 2760/16088, 2760/16188, 2760/16288, 2760/16388, 2760/18088, 2760/18188, 2760/18288, 2760/18388, 2760/18588, 2760/18688, 2760/18788, 2760/18888, 2760/20088, 2760/20188, 2760/20288
	C12N	2770/00, 2770/00011, 2770/00088, 2770/10088, 2770/12088, 2770/14088, 2770/16088, 2770/18088, 2770/20088, 2770/22088, 2770/24088, 2770/24188, 2770/24288, 2770/24388, 2770/26088, 2770/28088, 2770/28188, 2770/30088, 2770/32088, 2770/32188, 2770/32288, 2770/32388, 2770/32488, 2770/32588, 2770/32688, 2770/32788, 2770/34088, 2770/36088, 2770/36188, 2770/36288, 2770/38088, 2770/40088

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Action	Subclass	Group(s)
	C12N	2780/00, 2780/00011, 2780/00088, 2780/10088
	C12N	2790/00, 2790/00011, 2790/00088, 2790/10088, 2790/12088, 2790/14088
	C12N	2792/00, 2792/00011, 2792/00088, 2792/10088, 2792/12088
	C12N	2795/00, 2795/00011, 2795/00088, 2795/10088, 2795/10188, 2795/10288, 2795/10388, 2795/12088, 2795/14088, 2795/14188, 2795/14288, 2795/16088, 2795/18088, 2795/18188
	C12N	2999/00
Guidance Headings New:	C12N	2710/00

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): A61K39/00, C12N7/00, C12R

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#
D	C12N2700/00	0	Viruses	<administrative transfer to C12N2796/00>
M	C12N2710/00	0	dsDNA viruses	
M	C12N2710/00011	1	Details	
M	C12N2710/00088	2	for redistribution	
M	C12N2710/10088	3	for redistribution	
M	C12N2710/10188	4	for redistribution	
M	C12N2710/10288	4	for redistribution	
M	C12N2710/10388	4	for redistribution	
M	C12N2710/12088	3	for redistribution	
M	C12N2710/14088	3	for redistribution	
M	C12N2710/16088	3	for redistribution	
M	C12N2710/16188	4	for redistribution	
M	C12N2710/16288	4	for redistribution	
M	C12N2710/16388	4	for redistribution	
M	C12N2710/16488	4	for redistribution	
M	C12N2710/16588	4	for redistribution	
M	C12N2710/16688	4	for redistribution	
M	C12N2710/16788	4	for redistribution	
M	C12N2710/18088	3	for redistribution	
M	C12N2710/20088	3	for redistribution	
M	C12N2710/22088	3	for redistribution	
M	C12N2710/24088	3	for redistribution	
M	C12N2710/24188	4	for redistribution	
M	C12N2710/24288	4	for redistribution	
M	C12N2720/00	0	dsRNA viruses	
M	C12N2720/00011	1	Details	
M	C12N2720/00088	2	for redistribution	
M	C12N2720/10088	3	for redistribution	
M	C12N2720/12088	3	for redistribution	
M	C12N2720/12188	4	for redistribution	
M	C12N2720/12288	4	for redistribution	
M	C12N2720/12388	4	for redistribution	
M	C12N2730/00	0	Reverse transcribing DNA viruses	
M	C12N2730/00011	1	Details	
M	C12N2730/00088	2	for redistribution	

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#
M	C12N2730/10088	3	for redistribution	
M	C12N2730/10188	4	for redistribution	
M	C12N2740/00	0	Reverse transcribing RNA viruses	
M	C12N2740/00011	1	Details	
M	C12N2740/00088	2	for redistribution	
M	C12N2740/10088	3	for redistribution	
M	C12N2740/11088	4	for redistribution	
M	C12N2740/12088	4	for redistribution	
M	C12N2740/13088	4	for redistribution	
M	C12N2740/14088	4	for redistribution	
M	C12N2740/15088	4	for redistribution	
M	C12N2740/16088	4	for redistribution	
M	C12N2740/16188	5	for redistribution	
M	C12N2740/16288	5	for redistribution	
M	C12N2740/16388	5	for redistribution	
M	C12N2740/17088	4	for redistribution	
M	C12N2750/00	0	ssDNA viruses	
M	C12N2750/00011	1	Details	
M	C12N2750/00088	2	for redistribution	
M	C12N2750/10088	3	for redistribution	
M	C12N2750/12088	3	for redistribution	
M	C12N2750/14088	3	for redistribution	
M	C12N2750/14188	4	for redistribution	
M	C12N2750/14288	4	for redistribution	
M	C12N2750/14388	4	for redistribution	
M	C12N2760/00	0	ssRNA viruses negative-sense	
M	C12N2760/00011	1	Details	
M	C12N2760/00088	2	for redistribution	
M	C12N2760/10088	3	for redistribution	
M	C12N2760/10188	4	for redistribution	
M	C12N2760/12088	3	for redistribution	
M	C12N2760/12188	4	for redistribution	
M	C12N2760/12288	4	for redistribution	
M	C12N2760/14088	3	for redistribution	
M	C12N2760/14188	4	for redistribution	
M	C12N2760/14288	4	for redistribution	
M	C12N2760/16088	3	for redistribution	
M	C12N2760/16188	4	for redistribution	
M	C12N2760/16288	4	for redistribution	
M	C12N2760/16388	4	for redistribution	
M	C12N2760/18088	3	for redistribution	
M	C12N2760/18188	4	for redistribution	
M	C12N2760/18288	4	for redistribution	
M	C12N2760/18388	4	for redistribution	
M	C12N2760/18588	4	for redistribution	

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#
M	C12N2760/18688	4	for redistribution	
M	C12N2760/18788	4	for redistribution	
M	C12N2760/18888	4	for redistribution	
M	C12N2760/20088	3	for redistribution	
M	C12N2760/20188	4	for redistribution	
M	C12N2760/20288	4	for redistribution	
M	C12N2770/00	0	ssRNA viruses positive-sense	
M	C12N2770/00011	1	Details	
M	C12N2770/00088	2	for redistribution	
M	C12N2770/10088	3	for redistribution	
M	C12N2770/12088	3	for redistribution	
M	C12N2770/14088	3	for redistribution	
M	C12N2770/16088	3	for redistribution	
M	C12N2770/18088	3	for redistribution	
M	C12N2770/20088	3	for redistribution	
M	C12N2770/22088	3	for redistribution	
M	C12N2770/24088	3	for redistribution	
M	C12N2770/24188	4	for redistribution	
M	C12N2770/24288	4	for redistribution	
M	C12N2770/24388	4	for redistribution	
M	C12N2770/26088	3	for redistribution	
M	C12N2770/28088	3	for redistribution	
M	C12N2770/28188	4	for redistribution	
M	C12N2770/30088	3	for redistribution	
M	C12N2770/32088	3	for redistribution	
M	C12N2770/32188	4	for redistribution	
M	C12N2770/32288	4	for redistribution	
M	C12N2770/32388	4	for redistribution	
M	C12N2770/32488	4	for redistribution	
M	C12N2770/32588	4	for redistribution	
M	C12N2770/32688	4	for redistribution	
M	C12N2770/32788	4	for redistribution	
M	C12N2770/34088	3	for redistribution	
M	C12N2770/36088	3	for redistribution	
M	C12N2770/36188	4	for redistribution	
M	C12N2770/36288	4	for redistribution	
M	C12N2770/38088	3	for redistribution	
M	C12N2770/40088	3	for redistribution	
M	C12N2780/00	0	Naked RNA viruses	
M	C12N2780/00011	1	Details	
M	C12N2780/00088	2	for redistribution	
M	C12N2780/10088	3	for redistribution	
M	C12N2790/00	0	Viroids or subviral agents	
M	C12N2790/00011	1	Details	
M	C12N2790/00088	2	for redistribution	

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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#
M	C12N2790/10088	3	for redistribution	
M	C12N2790/12088	3	for redistribution	
M	C12N2790/14088	3	for redistribution	
M	C12N2792/00	0	Archaeabacteria viruses	
M	C12N2792/00011	1	Details	
M	C12N2792/00088	2	for redistribution	
M	C12N2792/10088	3	for redistribution	
M	C12N2792/12088	3	for redistribution	
M	C12N2795/00	0	Bacteriophages	
M	C12N2795/00011	1	Details	
M	C12N2795/00088	2	for redistribution	
M	C12N2795/10088	3	for redistribution	
M	C12N2795/10188	4	for redistribution	
M	C12N2795/10288	4	for redistribution	
M	C12N2795/10388	4	for redistribution	
M	C12N2795/12088	3	for redistribution	
M	C12N2795/14088	3	for redistribution	
M	C12N2795/14188	4	for redistribution	
M	C12N2795/14288	4	for redistribution	
M	C12N2795/16088	3	for redistribution	
M	C12N2795/18088	3	for redistribution	
M	C12N2795/18188	4	for redistribution	
N	C12N2796/00	0	Viruses not covered by groups C12N 2710/00 - C12N 2795/00	
M	C12N2999/00	0	Further aspects of viruses or vectors not covered by groups C12N 2710/00 - C12N 2796/00 or C12N 2800/00	

*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.

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	C12N2710/00 - C12N2999/00		Viruses

*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."

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3.   REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	C12N 2700/00	<administrative transfer to C12N 2796/00>

* 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)

CPC	IPC	Action*
C12N 2700/00		DELETE
C12N 2796/00	CPCONLY	NEW

*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.

5. CROSS-REFERENCE LIST (CRL)

Definitions references impacted by this revision project

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
A61K39/00	C12N 2700/00 - C12N 2795/00	Special rules	Replace the existing symbol range with the new symbol range C12N2710/00 - C12N 2796/00 so that the text in question reads as follows: Preparations containing viral antigens: A61K 39/12 AND C12N 7/00 in combination with an Indexing Code in the C12N 2710/00 - C12N 2796/00 series according to the origin of the viral antigen.
A61K39/00	C12N 2700/00 - C12N2795/00 (7xx/xxxx34)	Special rules	Replace the existing symbol range with the new symbol range C12N 2710/00 - C12N 2796/00 so that the text in question reads as follows: Preparations containing multiple antigens of which at least one is a viral antigen: A61K 39/295 AND C12N 7/00 in combination with an Indexing Code in the C12N 2710/00 - C12N 2796/00 series according to the origin of the viral antigen(s).

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Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
C12N7/00	C12N 2700/00-C12N 2795/00	Special rules	Replace the existing symbol ranges with the new symbol range C12N 2710/00 - C12N 2796/00 so that the following two sentences read as follows: In this scheme, taxonomic indexing codes are assigned the C12N2710/00 - C12N2796/00 series to define which virus is used in a given invention. The specific codes in the C12N2710/00 - C12N2796/00 ranges have the format C12N27xx/xxxyy.
C12R	C12N 2700/00 – C12N 2795/18188	Special rules	Replace the existing symbol range with the new symbol range C12N 2710/00 - C12N 2796/00 so that the text in question reads as follows: For specific viruses, attention is also drawn to the subgroups C12N2710/00 - C12N2796/00.

NOTES:
- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions <u>inside</u> 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.