EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 479

DATE: MAY 1, 2018

PROJECT RP0492

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

Action	Subclass	Group(s)
SCHEME:		
Symbols Deleted:	C12Q	1/6802
Titles Changed:	C12Q	subclass
	C12Q	1/00, 1/6804, 1/6806, 1/6809, 1/6811, 1/6813, 1/6816, 1/6818, 1/682, 1/6823, 1/6825, 1/6827, 1/683, 1/6832, 1/6834, 1/6837, 1/6839, 1/6841, 1/6844, 1/6848, 1/6851, 1/6853, 1/6855, 1/6858, 1/686, 1/6862, 1/6865, 1/6867, 1/6869, 1/6872, 1/6874, 1/6876, 1/6879, 1/6881, 1/6883, 1/6886, 1/6888, 1/689, 1/6893, 1/6895, 1/6897
	G01N	33/53
Indents Changed:	C12Q	1/6804, 1/6806, 1/6809, 1/6811, 1/6848, 1/6851, 1/6853, 1/6855, 1/6858
Notes Modified:	C12Q	1/68
DEFINITIONS:		
Definitions Modified:	C12Q	subclass
	C12Q	1/68
	G01N	33/53

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)

1. CLASSIFICATION SCHEME CHANGES

    A. New, Modified or Deleted Group(s)

C12Q – MEASURING OR TESTING PROCESSES INVOLVING ENZYMES OR MICRO-ORGANISMS (immunoassay G01N33/53); COMPOSITIONS OR TEST PAPERS THEREFOR; PORCESSES OF PREPARING SUCH COMPOSITIONS; CONDITION RESPONSIVE CONTROL IN MICROBIOLOGICAL OR ENZYMOLOGICAL PROCESSES

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
M	C12Q		MEASURING OR TESTING PROCESSES INVOLVING ENZYMES, NUCLEIC ACIDS OR MICROORGANISMS (immunoassay G01N33/53); COMPOSITIONS OR TEST PAPERS THEREFOR; PROCESSES OF PREPARING SUCH COMPOSITIONS; CONDITION-RESPONSIVE CONTROL IN MICROBIOLOGICAL OR ENZYMOLOGICAL PROCESSES	
M	C12Q1/00		Measuring or testing processes involving enzymes, nucleic acids or microorganisms (measuring or testing apparatus with condition measuring or sensing means, e.g. colony counters, C12M1/34); Compositions therefor; Processes of preparing such compositions	
E	C12Q1/68	1	involving nucleic acids	
D	C12Q1/6802	2	*{General aspects (not used, see subgroups)}*	<administrative transfer to C12Q1/68>
M	C12Q1/6804	2	Nucleic acid analysis using immunogens (immunoassay G01N33/53)	
M	C12Q1/6806	2	Preparing nucleic acids for analysis, e.g. for polymerase chain reaction [PCR] assay (C12Q 1/6804 takes precedence)	
M	C12Q1/6809	2	Methods for determination or identification of nucleic acids involving differential detection	
M	C12Q1/6811	2	Selection methods for production or design of target specific oligonucleotides or binding molecules	
M	C12Q1/6813	2	Hybridisation assays	
M	C12Q1/6816	3	characterised by the detection means (C12Q 1/6804 takes precedence)	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
M	C12Q1/6818	4	involving interaction of two or more labels, e.g. resonant energy transfer	
M	C12Q1/682	4	Signal amplification	
M	C12Q1/6823	4	Release of bound markers	
M	C12Q1/6825	4	Nucleic acid detection involving sensors	
M	C12Q1/6827	3	for detection of mutation or polymorphism	
M	C12Q1/683	4	involving restriction enzymes, e.g. restriction fragment length polymorphism [RFLP]	
M	C12Q1/6832	3	Enhancement of hybridisation reaction	
M	C12Q1/6834	3	Enzymatic or biochemical coupling of nucleic acids to a solid phase	
M	C12Q 1/6837	4	using probe arrays or probe chips (C12Q 1/6874 takes precedence)	
M	C12Q 1/6839	3	Triple helix formation or other higher order conformations in hybridisation assays	
M	C12Q 1/6841	3	In situ hybridisation	
M	C12Q 1/6844	2	Nucleic acid amplification reactions	
M	C12Q 1/6848	3	characterised by the means for preventing contamination or increasing the specificity or sensitivity of an amplification reaction	
M	C12Q 1/6851	3	Quantitative amplification	
M	C12Q 1/6853	3	using modified primers or templates	
M	C12Q 1/6855	4	Ligating adaptors	
M	C12Q 1/6858	3	Allele-specific amplification	
M	C12Q 1/686	3	Polymerase chain reaction [PCR]	
M	C12Q 1/6862	3	Ligase chain reaction [LCR]	
M	C12Q 1/6865	3	Promoter-based amplification, e.g. nucleic acid sequence amplification [NASBA], self-sustained sequence replication [3SR] or transcription-based amplification system [TAS]	
M	C12Q 1/6867	3	Replicase-based amplification, e.g. using Q-beta replicase	
M	C12Q 1/6869	2	Methods for sequencing	
M	C12Q 1/6872	3	involving mass spectrometry	
M	C12Q 1/6874	3	involving nucleic acid arrays, e.g. sequencing by hybridisation	
M	C12Q 1/6876	2	Nucleic acid products used in the analysis of nucleic acids, e.g. primers or probes	
M	C12Q 1/6879	3	for sex determination	

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
M	C12Q 1/6881	3	for tissue or cell typing, e.g. human leukocyte antigen [HLA] probes	
M	C12Q 1/6883	3	for diseases caused by alterations of genetic material	
M	C12Q 1/6886	4	for cancer (immunoassay for cancer G01N 33/574)	
M	C12Q 1/6888	3	for detection or identification of organisms	
M	C12Q 1/689	4	for bacteria	
M	C12Q 1/6893	4	for protozoa	
M	C12Q 1/6895	4	for plants, fungi or algae	
M	C12Q 1/6897	2	involving reporter genes operably linked to promoters	

*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; E= 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).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. 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 except "D" which requires only a symbol.
- #"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>" or "<administrative transfer to XX and YY simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be "invention information", unless otherwise indicated, and to 2000 series groups is assumed to be "additional information".

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G01N - INVESTIGATING OR ANALYSING MATERIALS BY DETERMINING THEIR CHEMICAL OR PHYSICAL PROPERTIES (separating components of materials in general B01D, B01J, B03, B07; apparatus fully provided for in a single other subclass, see the relevant subclass, e.g. B01L; measuring or testing processes other than immunoassay, involving enzymes or micro-organisms C12M, C12Q; investigation of foundation soil in situ E02D 1/00; sensing humidity changes for compensating measurements of other variables or for compensating readings of instruments for variations in humidity, see G01D or the relevant subclass for the variable measured; testing or determining the properties of structures G01M; measuring or investigating electric or magnetic properties of materials G01R; systems or methods in general, using reception or emission of radiowaves or other waves and based on propagation effects, e.g. Doppler effect, propagation time, direction of propagation, G01S; determining sensivity, graininess, or density of photographic materials G03C 5/02; testing component parts of nuclear reactors G21C 17/00; {controlling or regulating non-electric variables G05D; measuring degree of ionisation of ionised gases, i.e. plasma H05H 1/0006; testing electrographic developer properties G03G 15/0848})

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
M	G01N33/53	3	Immunoassay; Biospecific binding assay; Materials therefor	

*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; E= 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).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. 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 except "D" which requires only a symbol.
- #"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>" or "<administrative transfer to XX and YY simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be "invention information", unless otherwise indicated, and to 2000 series groups is assumed to be "additional information".

B. New, Modified or Deleted Note(s)

C12Q – MEASURING OR TESTING PROCESSES INVOLVING ENZYMES OR MICRO-ORGANISMS (immunoassay G01N33/53); COMPOSITIONS OR TEST PAPERS THEREFOR; PORCESSES OF PREPARING SUCH COMPOSITIONS; CONDITION RESPONSIVE CONTROL IN MICROBIOLOGICAL OR ENZYMOLOGICAL PROCESSES

Type*	Location	Old Note	New/Modified Note
M	C12Q 1/68	In subgroups of C12Q 1/68, classification is made according to the most relevant feature rather than according to the last-place-rule	In this group, classification is made according to the most relevant feature irrespective of the last place priority rule.

*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.

2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
C12Q	Relationships with other classification places	In groups C12M-C12Q or C12S, and within each of these groups, in the absence of an indication to the contrary, classification is made in the last appropriate place. The codes of group C12R are only for use as Indexing Codes associated with groups C12C-C12Q or C12S, so as to provide information concerning the micro-organisms used in the processes classified in these groups.	**Delete** the following text and symbol in **both** paragraphs: or C12S
C12Q1/68	Special rules of classification (Method classes)	Method classes: Symbol Title C12Q 1/68 involving nucleic acids	**Insert** at the **end** of the title (*involving nucleic acids*) the following text: , general aspects
C12Q1/68	Special rules of classification (Method classes)	Method classes: Symbol Title C12Q 1/6802 General aspects	**Delete** the entire row (symbol and title): C12Q 1/6802 General aspects
C12Q1/68	Special rules of classification ("2. CPC codes…)	2. CPC codes… Symbol Title C12Q1/68 involving nucleic acids	**Insert** at the **end** of the title after the word "*acids*", the following text: , general aspects
C12Q1/68	Special rules of classification ("2. CPC codes…)	2. CPC codes… Symbol Title C12Q1/6802 General aspects	**Delete** the entire row (symbol and title): C12Q 1/6802 General aspects
C12Q1/68	Special rules of classification (last line of text)	C12Q 1/6802	**Change** the symbol to the following symbol: C12Q 1/68

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
G01N33/53			**Insert** the following <u>new</u> Informative references section: **Informative references** *Attention is drawn to the following places, which may be of interest for search:* General laboratory apparatus B01L 3/00 Immunoglobulins per se C07K16/00 Assays involving nucleic acid hybridization C12Q1/68
G01N33/53	Limiting references	**Limiting references** *This place does not cover:* General laboratory apparatus B01L 3/00 Immunoglobulins per se C07K 16/00 Assays involving nucleic acid hybridization C12Q 1/68	**Delete** the <u>entire</u> existing Limiting references section.

3.   REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	C12Q 1/6802	<administrative transfer to C12Q 1/68>

* 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.

NOTES:
- Only C, D, F and Q type entries are included in the table above.
- When multiple symbols are included in the "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>" or "<administrative transfer to XX and YY simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be "invention information", unless otherwise indicated, and to 2000 series groups is assumed to be "additional information".

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

CPC	**IPC**	**Action***
C12Q 1/6802		DELETE
C12Q 1/6804	C12Q 1/6804	UPDATE
C12Q 1/6806	C12Q 1/6806	UPDATE
C12Q 1/6809	C12Q 1/6809	UPDATE
C12Q 1/6811	C12Q 1/6811	UPDATE
C12Q 1/6813	C12Q 1/6813	UPDATE
C12Q 1/6816	C12Q 1/6816	UPDATE
C12Q 1/6818	C12Q 1/6818	UPDATE
C12Q 1/682	C12Q 1/682	UPDATE
C12Q 1/6823	C12Q 1/6823	UPDATE
C12Q 1/6825	C12Q 1/6825	UPDATE
C12Q 1/6827	C12Q 1/6827	UPDATE
C12Q 1/683	C12Q 1/683	UPDATE
C12Q 1/6832	C12Q 1/6832	UPDATE
C12Q 1/6834	C12Q 1/6834	UPDATE
C12Q 1/6837	C12Q 1/6837	UPDATE
C12Q 1/6839	C12Q 1/6839	UPDATE
C12Q 1/6841	C12Q 1/6841	UPDATE
C12Q 1/6844	C12Q 1/6844	UPDATE
C12Q 1/6846	C12Q 1/6844	UPDATE
C12Q 1/6848	C12Q 1/6848	UPDATE
C12Q 1/6851	C12Q 1/6851	UPDATE
C12Q 1/6853	C12Q 1/6853	UPDATE
C12Q 1/6855	C12Q 1/6855	UPDATE
C12Q 1/6858	C12Q 1/6858	UPDATE
C12Q 1/686	C12Q 1/686	UPDATE
C12Q 1/6862	C12Q 1/6862	UPDATE
C12Q 1/6865	C12Q 1/6865	UPDATE
C12Q 1/6867	C12Q 1/6867	UPDATE
C12Q 1/6869	C12Q 1/6869	UPDATE
C12Q 1/6872	C12Q 1/6872	UPDATE
C12Q 1/6874	C12Q 1/6874	UPDATE
C12Q 1/6876	C12Q 1/6876	UPDATE
C12Q 1/6879	C12Q 1/6879	UPDATE
C12Q 1/6881	C12Q 1/6881	UPDATE
C12Q 1/6883	C12Q 1/6883	UPDATE
C12Q 1/6886	C12Q 1/6886	UPDATE
C12Q 1/689	C12Q 1/689	UPDATE
C12Q 1/6893	C12Q 1/6893	UPDATE
C12Q 1/6895	C12Q 1/6895	UPDATE
C12Q 1/6897	C12Q 1/6897	UPDATE

*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.
- E and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

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