

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 777

DATE: JANUARY 1, 2020

PROJECT RP0611

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols New:	C12N	11/082, 11/084, 11/087, 11/089, 11/091, 11/093, 11/096, 11/098
Titles Changed:	C12N	11/02, 11/04, 11/08, 11/10, 11/14, 11/16
Warnings New:	C12N	11/08, 11/082, 11/089, 11/098

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 (biocides, pest repellants or attractants, or plant growth regulators, containing microorganisms, viruses, microbial fungi, enzymes, fermentates or substances produced by or extracted from microorganisms or animal material A01N63/00; food compositions A21, A23; medicinal preparations A61K; chemical aspects of, or use of materials for, bandages, dressings, absorbent pads or surgical articles A61L; fertilisers C05); PROPAGATING, PRESERVING OR MAINTAINING MICROORGANISMS (preservation of living parts of humans or animals A01N1/02); MUTATION OR GENETIC ENGINEERING; CULTURE MEDIA (microbiological testing media C12Q)

<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	C12N 11/02	1	Enzymes or microbial cells immobilised on or in an organic carrier	
M	C12N 11/04	2	entrapped within the carrier, e.g. gel or hollow fibres	
U	C12N 11/06	2	attached to the carrier via a bridging agent	
C	C12N 11/08	2	the carrier being a synthetic polymer	C12N 11/08, C12N 11/082, C12N 11/084, C12N 11/087, C12N 11/089, C12N 11/091, C12N 11/093, C12N 11/096, C12N 11/098
N	C12N 11/082	3	obtained by reactions only involving carbon-to-carbon unsaturated bonds	
N	C12N 11/084	4	Polymers containing vinyl alcohol units	
N	C12N 11/087	4	Acrylic polymers	
N	C12N 11/089	3	obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds	
N	C12N 11/091	4	Phenol resins; Amino resins	
N	C12N 11/093	4	Polyurethanes	
N	C12N 11/096	4	Polyesters; Polyamides	
N	C12N 11/098	3	formed in the presence of the enzymes or microbial cells	
M	C12N 11/10	2	the carrier being a carbohydrate	
U	C12N 11/12	3	Cellulose or derivatives thereof	
M	C12N 11/14	1	Enzymes or microbial cells immobilised on or in an inorganic carrier	
M	C12N 11/16	1	Enzymes or microbial cells immobilised on or in a biological cell	
U	C12N 11/18	1	Multi-enzyme systems	

*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

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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 C12N - MICROORGANISMS OR ENZYMES; COMPOSITIONS THEREOF (biocides, pest repellants or attractants, or plant growth regulators, containing microorganisms, viruses, microbial fungi, enzymes, fermentates or substances produced by or extracted from microorganisms or animal material A01N63/00; food compositions A21, A23; medicinal preparations A61K; chemical aspects of, or use of materials for, bandages, dressings, absorbent pads or surgical articles A61L; fertilisers C05); **PROPAGATING, PRESERVING OR MAINTAINING MICROORGANISMS** (preservation of living parts of humans or animals A01N1/02); **MUTATION OR GENETIC ENGINEERING; CULTURE MEDIA** (microbiological testing media C12Q)

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C12N 11/08		Group C12N 11/08 is impacted by reclassification into groups C12N 11/082, C12N 11/084, C12N 11/087, C12N 11/089, C12N 11/091, C12N 11/093, C12N 11/096, and C12N 11/098. All groups listed in this Warning should be considered in order to perform a complete search.
N	C12N 11/082		Groups C12N 11/082, C12N 11/084, and C12N 11/087 are incomplete pending reclassification of documents from group C12N 11/08. Groups C12N 11/08, C12N 11/082, C12N 11/084 and C12N 11/087 should be considered in order to perform a complete search.
N	C12N 11/089		Groups C12N 11/089, C12N 11/091, C12N 11/093 and C12N 11/096 are incomplete pending reclassification of documents from group C12N 11/08. Groups C12N 11/08, C12N 11/089, C12N 11/091, C12N 11/093 and C12N 11/096 should be considered in order to perform a complete search.
N	C12N 11/098		Group C12N 11/098 is incomplete pending reclassification of documents from group C12N 11/08. Groups C12N 11/08 and C12N 11/098 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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3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	C12N 11/08	C12N 11/08, C12N 11/082, C12N 11/084, C12N 11/087, C12N 11/089, C12N 11/091, C12N 11/093, C12N 11/096, C12N 11/098

* 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)

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
C12N 11/082	C12N 11/082	NEW
C12N 11/084	C12N 11/084	NEW
C12N 11/087	C12N 11/087	NEW
C12N 11/089	C12N 11/089	NEW
C12N 11/091	C12N 11/091	NEW
C12N 11/093	C12N 11/093	NEW
C12N 11/096	C12N 11/096	NEW
C12N 11/098	C12N 11/098	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.