

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 99

DATE: JULY 1, 2015

PROJECT RP0106

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>Symbols deleted:</b>	C12N	5/0673
	C12N	5/0675
	C12N	2502/16
	C12N	2502/21
	C12N	2506/21
<b>Scheme Warning Notices to be deleted:</b>	C12N	2502/16
		2502/21
		2506/21

**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 Notice(s)
  - C. New, Modified or Deleted Note(s)
  - D. New, Modified or Deleted Guidance Heading(s)
2. DEFINITIONS (New or Modified)
  - A. DEFINITIONS (Full definition template)
  - B. DEFINITIONS (Definitions Quick Fix)
3.  REVISION CONCORDANCE LIST (RCL)
4.  CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5.  CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

**SUBCLASS C12N - MICRO-ORGANISMS OR ENZYMES; COMPOSITIONS THEREOF; PROPAGATING, PRESERVING OR MAINTAINING MICROORGANISMS; MUTATION OR GENETIC ENGINEERING; CULTURE MEDIA**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to<sup>#</sup></u>
D	C12N5/0673	3		<administrative transfer to C12N 5/0669>
D	C12N5/0675	4		C12N 5/0662, C12N 5/0663, C12N 5/0664, C12N 5/0665, C12N 5/0666, C12N 5/0667 C12N 5/0668
D	C12N2502/16	1		C12N 2502/13, C12N 2502/1305, C12N 2502/1311, C12N 2502/1317, C12N 2502/1323, C12N 2502/1329, C12N 2502/1335, C12N 2502/1341, C12N 2502/1347, C12N 2502/1352, C12N 2502/1358, C12N 2502/1364, C12N 2502/137, C12N 2502/1376, C12N 2502/1382, C12N 2502/1388, C12N 2502/1394
D	C12N2502/21	1		C12N 2502/13, C12N 2502/1305, C12N 2502/1311, C12N 2502/1317, C12N 2502/1323, C12N 2502/1329, C12N 2502/1335, C12N 2502/1341, C12N 2502/1347, C12N 2502/1352, C12N 2502/1358, C12N 2502/1364, C12N 2502/137, C12N 2502/1376, C12N 2502/1382, C12N 2502/1388, C12N 2502/1394
D	C12N2506/21	1		C12N 2502/13, C12N 2502/1305, C12N 2502/1311, C12N 2502/1317, C12N 2502/1323, C12N 2502/1329, C12N 2502/1335, C12N 2502/1341, C12N 2502/1347, C12N 2502/1352, C12N 2502/1358, C12N 2502/1364, C12N 2502/137, C12N 2502/1376, C12N 2502/1382, C12N 2502/1388, C12N 2502/1394

\*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.

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- \*\*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, and Q type entries.
- 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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B. New, Modified or Deleted Warning notice(s)

**SUBCLASS C12N - MICRO-ORGANISMS OR ENZYMES; COMPOSITIONS THEREOF;  
PROPAGATING, PRESERVING OR MAINTAINING MICROORGANISMS; MUTATION OR GENETIC  
ENGINEERING; CULTURE MEDIA**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	C12N2502/16	<b><u>WARNING</u></b> This group is no longer used for the classification of new documents as from January 1, 2012. The backlog of this group is being continuously reclassified to subgroups of C12N 2502/13	
D	C12N2502/21	<b><u>WARNING</u></b> This group is no longer used for the classification of new documents as from January 1, 2012. The backlog of this group is being continuously reclassified to subgroups of C12N 2502/13	
D	C12N2506/21	<b><u>WARNING</u></b> This group is no longer used for the classification of new documents as from January 1, 2012. The backlog of this group is being continuously reclassified to subgroups of C12N 2502/13	

\*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>
D	C12N5/0673	<administrative transfer to C12N 5/0669>
D	C12N5/0675	C12N 5/0662, C12N 5/0663, C12N 5/0664, C12N 5/0665, C12N 5/0666, C12N 5/0667 C12N 5/0668
D	C12N2502/16	C12N 2502/13, C12N 2502/1305, C12N 2502/1311, C12N 2502/1317, C12N 2502/1323, C12N 2502/1329, C12N 2502/1335, C12N 2502/1341, C12N 2502/1347, C12N 2502/1352, C12N 2502/1358, C12N 2502/1364, C12N 2502/137, C12N 2502/1376, C12N 2502/1382, C12N 2502/1388, C12N 2502/1394
D	C12N2502/21	C12N 2502/13, C12N 2502/1305, C12N 2502/1311, C12N 2502/1317, C12N 2502/1323, C12N 2502/1329, C12N 2502/1335, C12N 2502/1341, C12N 2502/1347, C12N 2502/1352, C12N 2502/1358, C12N 2502/1364, C12N 2502/137, C12N 2502/1376, C12N 2502/1382, C12N 2502/1388, C12N 2502/1394
D	C12N2506/21	C12N 2502/13, C12N 2502/1305, C12N 2502/1311, C12N 2502/1317, C12N 2502/1323, C12N 2502/1329, C12N 2502/1335, C12N 2502/1341, C12N 2502/1347, C12N 2502/1352, C12N 2502/1358, C12N 2502/1364, C12N 2502/137, C12N 2502/1376, C12N 2502/1382, C12N 2502/1388, C12N 2502/1394

\* 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, 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”.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
C12N 5/0673		DELETE
C12N 5/0675		DELETE
C12N 2502/16		DELETE
C12N 2502/21		DELETE
C12N 2506/21		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 not 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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5. CROSS-REFERENCE LIST (CRL)

Definitions references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
C12N5/00	<p><b>Replace:</b></p> <p>E.g. a document pertaining to neural differentiation of MSC is C12N5/0618, C12N2506/21 while a document pertaining to neuronal differentiation of MSC, with detailed, extensive, evidence as to the neuronal phenotype is C12N5/0619, C12N 2506/21.</p>	Definition statement	<p><b>With:</b></p> <p>E.g. a document pertaining to neural differentiation of BM-MS is C12N5/0618, C12N2506/1353 while a document pertaining to neuronal differentiation of BM-MS, with detailed, extensive, evidence as to the neuronal phenotype is C12N5/0619, C12N2506/1353.</p>
C12N5/00	<p><b>Replace:</b></p> <p>Documents pertaining to in vivo differentiation of stem cells are classified as the available product, i.e. as (a composition of) stem cells C12N5/0606, C12N5/0611, C12N5/0623, C12N5/0647, C12N5/0662, C12N5/0672, C12N5/0675, C12N5/0678, C12N5/068, C12N5/0687, C12N5/0689, C12N5/0692, C12N5/0695, with the relevant symbol A61K2035/124 for in vivo Application; there are no symbols for the resulting differentiated cells..</p>	Definition statement	<p><b>With:</b></p> <p>Documents pertaining to in vivo differentiation of stem cells are classified as the available product, i.e. as (a composition of) stem cells C12N5/0606, C12N5/0611, C12N5/0623, C12N5/0647, C12N5/0662 - C12N5/0668, C12N5/0672, C12N5/0678, C12N5/068, C12N5/0687, C12N5/0689, C12N5/0692, C12N5/0695, with the relevant symbol A61K2035/124 for in vivo Application; there are no symbols for the resulting differentiated cells.</p>
C12N5/00	<p><b>Replace:</b></p> <p>"Tissue equivalent" is to be construed broadly as any in vitro construct ... but embryonic stem cells on a feeder layer of embryonic fibroblast C12N5/0606, C12N2502/16. C12N2502/00 codes are used to index all cell types, including accessory ones (e.g. vascular cells or tumour cells added in some illustrated embodiments to study vascular or tumour growth inside a tissue).</p>	Definition statement	<p><b>With:</b></p> <p>"Tissue equivalent" is to be construed broadly as any in vitro construct ... but embryonic stem cells on a feeder layer of embryonic fibroblast C12N5/0606, C12N2502/13. C12N2502/00 codes are used to index all cell types, including accessory ones (e.g. vascular cells or tumour cells added in some illustrated embodiments to study vascular or tumour growth inside a tissue).</p>

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NOTES:

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