

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1053

DATE: MAY 1, 2021

PROJECT RP0660

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

| <u>Action</u> | <u>Subclass</u> | <u>Group(s)</u> |
|------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SCHEME: | | |
| Symbols Deleted: | C12R | 1/00, 1/01, 1/02, 1/025, 1/03, 1/04, 1/045, 1/05, 1/06, 1/065, 1/07, 1/075, 1/08, 1/085, 1/09, 1/10, 1/11, 1/12, 1/125, 1/13, 1/14, 1/145, 1/15, 1/16, 1/165, 1/17, 1/18, 1/185, 1/19, 1/20, 1/21, 1/22, 1/225, 1/23, 1/24, 1/245, 1/25, 1/26, 1/265, 1/27, 1/28, 1/285, 1/29, 1/30, 1/31, 1/32, 1/325, 1/33, 1/34, 1/35, 1/36, 1/365, 1/37, 1/38, 1/385, 1/39, 1/40, 1/41, 1/42, 1/425, 1/43, 1/44, 1/445, 1/45, 1/46, 1/465, 1/47, 1/48, 1/485, 1/49, 1/50, 1/51, 1/52, 1/525, 1/53, 1/54, 1/545, 1/55, 1/56, 1/565, 1/57, 1/58, 1/585, 1/59, 1/60, 1/61, 1/62, 1/625, 1/63, 1/64, 1/645, 1/65, 1/66, 1/665, 1/67, 1/68, 1/685, 1/69, 1/70, 1/71, 1/72, 1/725, 1/73, 1/74, 1/745, 1/75, 1/76, 1/765, 1/77, 1/78, 1/785, 1/79, 1/80, 1/81, 1/82, 1/825, 1/83, 1/84, 1/845, 1/85, 1/86, 1/865, 1/87, 1/88, 1/885, 1/89, 1/90, 1/91 |
| Symbols New: | C12N | 1/105, 1/125, 1/145, 1/165, 1/185, 1/205 |

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| <u>Action</u> | <u>Subclass</u> | <u>Group(s)</u> |
|-----------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | C12R | 2001/00, 2001/01, 2001/02, 2001/025, 2001/03, 2001/04, 2001/045, 2001/05, 2001/06, 2001/065, 2001/07, 2001/075, 2001/08, 2001/085, 2001/09, 2001/10, 2001/11, 2001/12, 2001/125, 2001/13, 2001/14, 2001/145, 2001/15, 2001/16, 2001/165, 2001/17, 2001/18, 2001/185, 2001/19, 2001/20, 2001/21, 2001/22, 2001/225, 2001/23, 2001/24, 2001/245, 2001/25, 2001/26, 2001/265, 2001/27, 2001/28, 2001/285, 2001/29, 2001/30, 2001/31, 2001/32, 2001/325, 2001/33, 2001/34, 2001/35, 2001/36, 2001/365, 2001/37, 2001/38, 2001/385, 2001/39, 2001/40, 2001/41, 2001/42, 2001/425, 2001/43, 2001/44, 2001/445, 2001/45, 2001/46, 2001/465, 2001/47, 2001/48, 2001/485, 2001/49, 2001/50, 2001/51, 2001/52, 2001/525, 2001/53, 2001/54, 2001/545, 2001/55, 2001/56, 2001/565, 2001/57, 2001/58, 2001/585, 2001/59, 2001/60, 2001/61, 2001/62, 2001/625, 2001/63, 2001/64, 2001/645, 2001/65, 2001/66, 2001/665, 2001/67, 2001/68, 2001/685, 2001/69, 2001/70, 2001/71, 2001/72, 2001/725, 2001/73, 2001/74, 2001/745, 2001/75, 2001/76, 2001/765, 2001/77, 2001/78, 2001/785, 2001/79, 2001/80, 2001/81, 2001/82, 2001/825, 2001/83, 2001/84, 2001/845, 2001/85, 2001/86, 2001/865, 2001/87, 2001/88, 2001/885, 2001/89, 2001/90, 2001/91 |
| Titles Changed: | C12N | 1/00, 1/14, 1/20 |
| | C12R | SUBCLASS |
| Warnings Modified: | C12R | SUBCLASS |
| | | |
| DEFINITIONS: | | |
| Definitions Modified: | A01H | 13/00, 15/00 |
| | A21D | 8/045 |
| | C12N | SUBCLASS |
| | C12N | 1/00, 1/04, 1/10, 1/12, 1/14, 1/20 |
| | C12R | SUBCLASS |

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):

A23C9/12, A23C11/106, A23C13/16, A23C15/065, A23C15/123, A23C15/165, A23C17/02, A23C19/00, A23C21/02, C09D5/00, C12G1/0203, C12N7/00, C12P1/00, G01N33/98

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This Notice of Changes includes the following:

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)**

| <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> |
|--------------|---------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| T | C12N1/00 | 0 | Microorganisms, e.g. protozoa; Compositions thereof (medicinal preparations containing material from protozoa, bacteria or viruses A61K 35/66; from algae A61K 36/02; from fungi A61K 36/06; preparing medicinal bacterial antigen or antibody compositions, e.g. bacterial vaccines, A61K 39/00); Processes of propagating, maintaining or preserving microorganisms or compositions thereof; Processes of preparing or isolating a composition containing a microorganism; Culture media therefor | |
| U | C12N1/10 | 1 | Protozoa; Culture media therefor | |
| N | C12N1/105 | 2 | {Protozoal isolates} | |
| U | C12N1/12 | 1 | Unicellular algae; Culture media therefor (as new plants A01H13/00) | |
| N | C12N1/125 | 2 | {Unicellular algae isolates} | |
| M | C12N1/14 | 1 | Fungi (culture of mushrooms A01G18/00; as new plants A01H15/00); Culture media therefor | |
| N | C12N1/145 | 2 | {Fungal isolates} | |
| U | C12N1/16 | 2 | Yeasts; Culture media therefor | |
| N | C12N1/165 | 3 | {Yeast isolates} | |
| U | C12N1/18 | 3 | Baker's yeast; Brewer's yeast | |
| N | C12N1/185 | 4 | {Saccharomyces isolates} | |
| M | C12N1/20 | 1 | Bacteria; Culture media therefor | |
| N | C12N1/205 | 2 | {Bacterial isolates} | |

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SUBCLASS C12R - PROCESSES USING MICROORGANISMS

| <u>Type*</u> | <u>Symbol</u> | <u>Indent Level Number of dots (e.g. 0, 1, 2)</u> | <u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}** | <u>Transferred to#</u> |
|--------------|---------------|---------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| M | C12R | Subclass | INDEXING SCHEME ASSOCIATED WITH SUBCLASSES C12C-C12Q, RELATING TO MICROORGANISMS | |
| D | C12R1/00 | 0 | Processes using microorganisms | <administrative transfer to C12R2001/00 ADD and C12N1/00 INV simultaneously> |
| N | C12R2001/00 | 0 | Microorganisms{; Processes using microorganisms} | |
| D | C12R1/01 | 1 | using bacteria or actinomycetales | <administrative transfer to C12R2001/01 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/01 | 1 | Bacteria or Actinomycetales{; using bacteria or Actinomycetales} | |
| D | C12R1/02 | 2 | Acetobacter | <administrative transfer to C12R2001/02 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/02 | 2 | Acetobacter | |
| D | C12R1/025 | 2 | Achromobacter | <administrative transfer to C12R2001/025 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/025 | 2 | Achromobacter | |
| D | C12R1/03 | 2 | Actinomadura | <administrative transfer to C12R2001/03 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/03 | 2 | Actinomadura | |
| D | C12R1/04 | 2 | Actinomyces | <administrative transfer to C12R2001/04 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/04 | 2 | Actinomyces | |
| D | C12R1/045 | 2 | Actinoplanes | <administrative transfer to C12R2001/045 ADD and C12N1/205 INV simultaneously> |

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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# |
|--------------|---------------|---------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| N | C12R2001/045 | 2 | Actinoplanes | |
| D | C12R1/05 | 2 | Alcaligenes | <administrative transfer to C12R2001/05 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/05 | 2 | Alcaligenes | |
| D | C12R1/06 | 2 | Arthrobacter | <administrative transfer to C12R2001/06 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/06 | 2 | Arthrobacter | |
| D | C12R1/065 | 2 | Azotobacter | <administrative transfer to C12R2001/065 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/065 | 2 | Azotobacter | |
| D | C12R1/07 | 2 | Bacillus | <administrative transfer to C12R2001/07 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/07 | 2 | Bacillus | |
| D | C12R1/075 | 3 | {Bacillus thuringiensis} | <administrative transfer to C12R2001/075 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/075 | 3 | {Bacillus thuringiensis} | |
| D | C12R1/08 | 3 | Bacillus brevis | <administrative transfer to C12R2001/08 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/08 | 3 | Bacillus brevis | |
| D | C12R1/085 | 3 | Bacillus cereus | <administrative transfer to C12R2001/085 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/085 | 3 | Bacillus cereus | |
| D | C12R1/09 | 3 | Bacillus circulans | <administrative transfer to C12R2001/09 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/09 | 3 | Bacillus circulans | |
| D | C12R1/10 | 3 | Bacillus licheniformis | <administrative transfer to C12R2001/10 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/10 | 3 | Bacillus licheniformis | |

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|--------------|---------------|---------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| D | C12R1/11 | 3 | Bacillus megaterium | <administrative transfer to C12R2001/11 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/11 | 3 | Bacillus megaterium | |
| D | C12R1/12 | 3 | Bacillus polymyxa | <administrative transfer to C12R2001/12 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/12 | 3 | Bacillus polymyxa{; Paenibacillus polymyxa} | |
| D | C12R1/125 | 3 | Bacillus subtilis | <administrative transfer to C12R2001/125 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/125 | 3 | Bacillus subtilis{; Hay bacillus; Grass bacillus} | |
| D | C12R1/13 | 2 | Brevibacterium | <administrative transfer to C12R2001/13 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/13 | 2 | Brevibacterium | |
| D | C12R1/14 | 2 | Chainia | <administrative transfer to C12R2001/14 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/14 | 2 | Chainia | |
| D | C12R1/145 | 2 | Clostridium | <administrative transfer to C12R2001/145 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/145 | 2 | Clostridium | |
| D | C12R1/15 | 2 | Corynebacterium | <administrative transfer to C12R2001/15 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/15 | 2 | Corynebacterium | |
| D | C12R1/16 | 3 | Corynebacterium diphtheriae | <administrative transfer to C12R2001/16 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/16 | 3 | Corynebacterium diphtheriae | |
| D | C12R1/165 | 3 | Corynebacterium poinsettiae | <administrative transfer to C12R2001/165 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/165 | 3 | Corynebacterium poinsettiae | |

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| D | C12R1/17 | 3 | Corynebacterium pyogenes | <administrative transfer to C12R2001/17 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/17 | 3 | Corynebacterium pyogenes{; Trueperella pyogenes} | |
| D | C12R1/18 | 2 | Erwinia | <administrative transfer to C12R2001/18 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/18 | 2 | Erwinia | |
| D | C12R1/185 | 2 | Escherichia | <administrative transfer to C12R2001/185 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/185 | 2 | Escherichia | |
| D | C12R1/19 | 3 | Escherichia coli | <administrative transfer to C12R2001/19 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/19 | 3 | Escherichia coli | |
| D | C12R1/20 | 2 | Flavobacterium | <administrative transfer to C12R2001/20 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/20 | 2 | Flavobacterium | |
| D | C12R1/21 | 2 | Haemophilus | <administrative transfer to C12R2001/21 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/21 | 2 | Haemophilus | |
| D | C12R1/22 | 2 | Klebsiella | <administrative transfer to C12R2001/22 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/22 | 2 | Klebsiella | |
| D | C12R1/225 | 2 | Lactobacillus | <administrative transfer to C12R2001/225 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/225 | 2 | Lactobacillus | |
| D | C12R1/23 | 3 | Lactobacillus acidophilus | <administrative transfer to C12R2001/23 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/23 | 3 | Lactobacillus acidophilus | |

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|--------------|---------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| D | C12R1/24 | 3 | Lactobacillus brevis | <administrative transfer to C12R2001/24 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/24 | 3 | Lactobacillus brevis | |
| D | C12R1/245 | 3 | Lactobacillus casei | <administrative transfer to C12R2001/245 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/245 | 3 | Lactobacillus casei | |
| D | C12R1/25 | 3 | Lactobacillus plantarum | <administrative transfer to C12R2001/25 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/25 | 3 | Lactobacillus plantarum | |
| D | C12R1/26 | 2 | Methylomonas | <administrative transfer to C12R2001/26 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/26 | 2 | Methylomonas | |
| D | C12R1/265 | 2 | Micrococcus | <administrative transfer to C12R2001/265 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/265 | 2 | Micrococcus | |
| D | C12R1/27 | 3 | Micrococcus flavus | <administrative transfer to C12R2001/27 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/27 | 3 | Micrococcus flavus | |
| D | C12R1/28 | 3 | Micrococcus glutamicus | <administrative transfer to C12R2001/28 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/28 | 3 | Micrococcus glutamicus{; Corynebacterium glutamicum} | |
| D | C12R1/285 | 3 | Micrococcus lysodeikticus | <administrative transfer to C12R2001/285 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/285 | 3 | Micrococcus lysodeikticus | |
| D | C12R1/29 | 2 | Micromonospora | <administrative transfer to C12R2001/29 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/29 | 2 | Micromonospora | |

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|--------------|---------------|---------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| D | C12R1/30 | 3 | Micromonospora chalcea | <administrative transfer to C12R2001/30 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/30 | 3 | Micromonospora chalcea | |
| D | C12R1/31 | 3 | Micromonospora purpurea | <administrative transfer to C12R2001/31 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/31 | 3 | Micromonospora purpurea{; Micromonospora echinospora; Micromonospora rhodorangea} | |
| D | C12R1/32 | 2 | Mycobacterium | <administrative transfer to C12R2001/32 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/32 | 2 | Mycobacterium | |
| D | C12R1/325 | 3 | Mycobacterium avium | <administrative transfer to C12R2001/325 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/325 | 3 | Mycobacterium avium | |
| D | C12R1/33 | 3 | Mycobacterium fortuitum | <administrative transfer to C12R2001/33 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/33 | 3 | Mycobacterium fortuitum | |
| D | C12R1/34 | 3 | Mycobacterium smegmatis | <administrative transfer to C12R2001/34 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/34 | 3 | Mycobacterium smegmatis | |
| D | C12R1/35 | 2 | Mycoplasma | <administrative transfer to C12R2001/35 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/35 | 2 | Mycoplasma | |
| D | C12R1/36 | 2 | Neisseria | <administrative transfer to C12R2001/36 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/36 | 2 | Neisseria | |
| D | C12R1/365 | 2 | Nocardia | <administrative transfer to C12R2001/365 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/365 | 2 | Nocardia | |

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| D | C12R1/37 | 2 | Proteus | <administrative transfer to C12R2001/37 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/37 | 2 | Proteus | |
| D | C12R1/38 | 2 | Pseudomonas | <administrative transfer to C12R2001/38 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/38 | 2 | Pseudomonas | |
| D | C12R1/385 | 3 | Pseudomonas aeruginosa | <administrative transfer to C12R2001/385 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/385 | 3 | Pseudomonas aeruginosa | |
| D | C12R1/39 | 3 | Pseudomonas fluorescens | <administrative transfer to C12R2001/39 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/39 | 3 | Pseudomonas fluorescens | |
| D | C12R1/40 | 3 | Pseudomonas putida | <administrative transfer to C12R2001/40 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/40 | 3 | Pseudomonas putida | |
| D | C12R1/41 | 2 | Rhizobium | <administrative transfer to C12R2001/41 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/41 | 2 | Rhizobium | |
| D | C12R1/42 | 2 | Salmonella | <administrative transfer to C12R2001/42 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/42 | 2 | Salmonella | |
| D | C12R1/425 | 2 | Serratia | <administrative transfer to C12R2001/425 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/425 | 2 | Serratia | |
| D | C12R1/43 | 3 | Serratia marcescens | <administrative transfer to C12R2001/43 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/43 | 3 | Serratia marcescens | |

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|--------------|---------------|---------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| D | C12R1/44 | 2 | Staphylococcus | <administrative transfer to C12R2001/44 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/44 | 2 | Staphylococcus | |
| D | C12R1/445 | 3 | Staphylococcus aureus | <administrative transfer to C12R2001/445 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/445 | 3 | Staphylococcus aureus | |
| D | C12R1/45 | 3 | Staphylococcus epidermidis | <administrative transfer to C12R2001/45 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/45 | 3 | Staphylococcus epidermidis | |
| D | C12R1/46 | 2 | Streptococcus; {Enterococcus; Lactococcus} | <administrative transfer to C12R2001/46 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/46 | 2 | Streptococcus{; Enterococcus; Lactococcus} | |
| D | C12R1/465 | 2 | Streptomyces | <administrative transfer to C12R2001/465 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/465 | 2 | Streptomyces | |
| D | C12R1/47 | 3 | Streptomyces albus | <administrative transfer to C12R2001/47 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/47 | 3 | Streptomyces albus | |
| D | C12R1/48 | 3 | Streptomyces antibioticus | <administrative transfer to C12R2001/48 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/48 | 3 | Streptomyces antibioticus{; Actinomyces antibioticus} | |
| D | C12R1/485 | 3 | Streptomyces aureofaciens | <administrative transfer to C12R2001/485 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/485 | 3 | Streptomyces aureofaciens | |
| D | C12R1/49 | 3 | Streptomyces aureus | <administrative transfer to C12R2001/49 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/49 | 3 | Streptomyces aureus | |

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|--------------|---------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| D | C12R1/50 | 3 | Streptomyces bikiniensis | <administrative transfer to C12R2001/50 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/50 | 3 | Streptomyces bikiniensis | |
| D | C12R1/51 | 3 | Streptomyces candidus | <administrative transfer to C12R2001/51 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/51 | 3 | Streptomyces candidus | |
| D | C12R1/52 | 3 | Streptomyces chartreusis | <administrative transfer to C12R2001/52 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/52 | 3 | Streptomyces chartreusis | |
| D | C12R1/525 | 3 | Streptomyces diastatochromogenes | <administrative transfer to C12R2001/525 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/525 | 3 | Streptomyces diastatochromogenes | |
| D | C12R1/53 | 3 | Streptomyces filipinensis | <administrative transfer to C12R2001/53 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/53 | 3 | Streptomyces filipinensis | |
| D | C12R1/54 | 3 | Streptomyces fradiae | <administrative transfer to C12R2001/54 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/54 | 3 | Streptomyces fradiae | |
| D | C12R1/545 | 3 | Streptomyces griseus | <administrative transfer to C12R2001/545 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/545 | 3 | Streptomyces griseus | |
| D | C12R1/55 | 3 | Streptomyces hygroscopicus | <administrative transfer to C12R2001/55 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/55 | 3 | Streptomyces hygroscopicus | |
| D | C12R1/56 | 3 | Streptomyces lavendulae | <administrative transfer to C12R2001/56 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/56 | 3 | Streptomyces lavendulae | |

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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# |
|--------------|---------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| D | C12R1/565 | 3 | Streptomyces lincolnensis | <administrative transfer to C12R2001/565 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/565 | 3 | Streptomyces lincolnensis | |
| D | C12R1/57 | 3 | Streptomyces noursei | <administrative transfer to C12R2001/57 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/57 | 3 | Streptomyces noursei | |
| D | C12R1/58 | 3 | Streptomyces olivaceus | <administrative transfer to C12R2001/58 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/58 | 3 | Streptomyces olivaceus | |
| D | C12R1/585 | 3 | Streptomyces platensis | <administrative transfer to C12R2001/585 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/585 | 3 | Streptomyces platensis | |
| D | C12R1/59 | 3 | Streptomyces rimosus | <administrative transfer to C12R2001/59 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/59 | 3 | Streptomyces rimosus | |
| D | C12R1/60 | 3 | Streptomyces sparsogenes | <administrative transfer to C12R2001/60 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/60 | 3 | Streptomyces sparsogenes | |
| D | C12R1/61 | 3 | Streptomyces venezuelae | <administrative transfer to C12R2001/61 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/61 | 3 | Streptomyces venezuelae | |
| D | C12R1/62 | 2 | Streptosporangium | <administrative transfer to C12R2001/62 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/62 | 2 | Streptosporangium | |
| D | C12R1/625 | 2 | Streptoverticillium | <administrative transfer to C12R2001/625 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/625 | 2 | Streptoverticillium | |

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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# |
|--------------|---------------|---------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| D | C12R1/63 | 2 | Vibrio | <administrative transfer to C12R2001/63 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/63 | 2 | Vibrio | |
| D | C12R1/64 | 2 | Xanthomonas | <administrative transfer to C12R2001/64 ADD and C12N1/205 INV simultaneously> |
| N | C12R2001/64 | 2 | Xanthomonas | |
| D | C12R1/645 | 1 | using fungi | <administrative transfer to C12R2001/645 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/645 | 1 | Fungi{; Processes using fungi} | |
| D | C12R1/65 | 2 | Absidia | <administrative transfer to C12R2001/65 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/65 | 2 | Absidia | |
| D | C12R1/66 | 2 | Aspergillus | <administrative transfer to C12R2001/66 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/66 | 2 | Aspergillus | |
| D | C12R1/665 | 3 | Aspergillus awamori | <administrative transfer to C12R2001/665 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/665 | 3 | Aspergillus awamori | |
| D | C12R1/67 | 3 | Aspergillus flavus | <administrative transfer to C12R2001/67 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/67 | 3 | Aspergillus flavus | |
| D | C12R1/68 | 3 | Aspergillus fumigatus | <administrative transfer to C12R2001/68 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/68 | 3 | Aspergillus fumigatus | |
| D | C12R1/685 | 3 | Aspergillus niger | <administrative transfer to C12R2001/685 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/685 | 3 | Aspergillus niger | |

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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# |
|--------------|---------------|---------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| D | C12R1/69 | 3 | Aspergillus oryzae | <administrative transfer to C12R2001/69 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/69 | 3 | Aspergillus oryzae | |
| D | C12R1/70 | 3 | Aspergillus ustus | <administrative transfer to C12R2001/70 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/70 | 3 | Aspergillus ustus | |
| D | C12R1/71 | 3 | Aspergillus wentii | <administrative transfer to C12R2001/71 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/71 | 3 | Aspergillus wentii | |
| D | C12R1/72 | 2 | Candida | <administrative transfer to C12R2001/72 ADD and C12N1/165 INV simultaneously> |
| N | C12R2001/72 | 2 | Candida | |
| D | C12R1/725 | 3 | Candida albicans | <administrative transfer to C12R2001/725 ADD and C12N1/165 INV simultaneously> |
| N | C12R2001/725 | 3 | Candida albicans | |
| D | C12R1/73 | 3 | Candida lipolytica | <administrative transfer to C12R2001/73 ADD and C12N1/165 INV simultaneously> |
| N | C12R2001/73 | 3 | Candida lipolytica | |
| D | C12R1/74 | 3 | Candida tropicalis | <administrative transfer to C12R2001/74 ADD and C12N1/165 INV simultaneously> |
| N | C12R2001/74 | 3 | Candida tropicalis | |
| D | C12R1/745 | 2 | Cephalosporium | <administrative transfer to C12R2001/745 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/745 | 2 | Cephalosporium{; Acremonium} | |
| D | C12R1/75 | 3 | Cephalosporium acremonium | <administrative transfer to C12R2001/75 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/75 | 3 | Cephalosporium acremonium{; Acremonium strictum} | |

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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# |
|--------------|---------------|---------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| D | C12R1/76 | 3 | Cephalosporium coerulescens | <administrative transfer to C12R2001/76 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/76 | 3 | Cephalosporium coerulescens | |
| D | C12R1/765 | 3 | Cephalosporium crocinigenum | <administrative transfer to C12R2001/765 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/765 | 3 | Cephalosporium crocinigenum{; Acremonium crocinigenum; Trichothecium crocinigenum} | |
| D | C12R1/77 | 2 | Fusarium | <administrative transfer to C12R2001/77 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/77 | 2 | Fusarium | |
| D | C12R1/78 | 2 | Hansenula | <administrative transfer to C12R2001/78 ADD and C12N1/165 INV simultaneously> |
| N | C12R2001/78 | 2 | Hansenula | |
| D | C12R1/785 | 2 | Mucor | <administrative transfer to C12R2001/785 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/785 | 2 | Mucor | |
| D | C12R1/79 | 2 | Paecilomyces | <administrative transfer to C12R2001/79 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/79 | 2 | Paecilomyces | |
| D | C12R1/80 | 2 | Penicillium | <administrative transfer to C12R2001/80 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/80 | 2 | Penicillium | |
| D | C12R1/81 | 3 | Penicillium brevi | <administrative transfer to C12R2001/81 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/81 | 3 | Penicillium brevi | |
| D | C12R1/82 | 3 | Penicillium chrysogenum | <administrative transfer to C12R2001/82 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/82 | 3 | Penicillium chrysogenum | |

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| <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> |
|--------------|---------------|---------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| D | C12R1/825 | 3 | Penicillium notatum | <administrative transfer to C12R2001/825 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/825 | 3 | Penicillium notatum | |
| D | C12R1/83 | 3 | Penicillium patulum | <administrative transfer to C12R2001/83 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/83 | 3 | Penicillium patulum{; Penicillium griseofulvum} | |
| D | C12R1/84 | 2 | Pichia | <administrative transfer to C12R2001/84 ADD and C12N1/165 INV simultaneously> |
| N | C12R2001/84 | 2 | Pichia | |
| D | C12R1/845 | 2 | Rhizopus | <administrative transfer to C12R2001/845 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/845 | 2 | Rhizopus | |
| D | C12R1/85 | 2 | Saccharomyces | <administrative transfer to C12R2001/85 ADD and C12N1/185 INV simultaneously> |
| N | C12R2001/85 | 2 | Saccharomyces | |
| D | C12R1/86 | 3 | Saccharomyces carlsbergensis | <administrative transfer to C12R2001/86 ADD and C12N1/185 INV simultaneously> |
| N | C12R2001/86 | 3 | Saccharomyces carlsbergensis{; Saccharomyces pastorianus} | |
| D | C12R1/865 | 3 | Sachharomyces cerevisiae | <administrative transfer to C12R2001/865 ADD and C12N1/185 INV simultaneously> |
| N | C12R2001/865 | 3 | Saccharomyces cerevisiae | |
| D | C12R1/87 | 3 | Saccharomyces lactis | <administrative transfer to C12R2001/87 ADD and C12N1/185 INV simultaneously> |
| N | C12R2001/87 | 3 | Saccharomyces lactis{; Kluyveromyces lactis} | |
| D | C12R1/88 | 2 | Torulopsis | <administrative transfer to C12R2001/88 ADD and C12N1/165 INV simultaneously> |

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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# |
|--------------|---------------|---------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| N | C12R2001/88 | 2 | Torulopsis | |
| D | C12R1/885 | 2 | Trichoderma | <administrative transfer to C12R2001/885 ADD and C12N1/145 INV simultaneously> |
| N | C12R2001/885 | 2 | Trichoderma | |
| D | C12R1/89 | 1 | using algae | <administrative transfer to C12R2001/89 ADD and C12N1/125 INV simultaneously> |
| N | C12R2001/89 | 1 | Algae{; Processes using algae } | |
| D | C12R1/90 | 1 | using protozoa | <administrative transfer to C12R2001/90 ADD and C12N1/105 INV simultaneously> |
| N | C12R2001/90 | 1 | Protozoa{; Processes using protozoa } | |
| D | C12R1/91 | 1 | using viruses or cell lines | <administrative transfer to C12R2001/91 ADD and C12N1/00 INV simultaneously> |
| N | C12R2001/91 | 1 | Cell lines{; Processes using cell lines } | |

*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”.

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- 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 C12R - PROCESSES USING MICROORGANISMS

| <u>Type*</u> | <u>Location</u> | <u>Old Warning</u> | <u>New/Modified Warning</u> |
|--------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| M | C12R | <p>1.The following IPC indexing groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups: C12R 1/92 - C12R 1/94 covered by C12R 1/91, C12N 2710/00 - C12N 2795/00</p> <p>2.In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.</p> | <p>1. The following IPC indexing groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups: C12R 1/92 - C12R 1/94 covered by C12N 2710/00 - C12N 2795/18188</p> |

*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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2. A. DEFINITIONS (modified)

A01H 13/00

Insert: the following new Special rules of classification section.

Special rules of classification

Looping references between A01H 13/00 and C12N 1/12 have been identified. Until this inconsistency is resolved in IPC, the current classification practice in CPC is as follows:

From the perspective of A01H 13/00, the reference C12N 1/12 is limiting. From the perspective of C12N 1/12, A01H 13/00 is application oriented.

A01H 15/00

Insert: the following new Special rules of classification section.

Special rules of classification

Looping references between A01H 15/00 and C12N 1/14 have been identified. Until this inconsistency is resolved in IPC, the current classification practice in CPC is as follows:

From the perspective of A01H 15/00, the reference C12N 1/14 is limiting. From the perspective of C12N 1/14, A01H 15/00 is application oriented.

A21D 8/045

Delete: the entire Limiting references section.

Insert: the following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

| | |
|--------------------------------|--------------|
| Processes using microorganisms | C12R 2001/00 |
|--------------------------------|--------------|

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C12N

Replace: the existing Special rules of classification section text with the following.

Special rules of classification

In this subclass, with the exception of group C12N5/06, in the absence of an indication to the contrary, classification is made in the last appropriate place.

In this subclass, viruses, human, animal, or plant cells, protozoa, tissues, and unicellular algae are considered as microorganisms.

Overview of relevant Indexing Codes:

C12N2500/00:

Codes intended for the nutritive components of culture media in combination with C12N5/0018 (generic media) or C12N5/06 and subgroups (specific media)—but effects beyond nutrition are not excluded. There is some aspect of classification by pathway in that C12N2500/10 and subgroups cover metals as well as metal chelators. Note that C12N2500/25 substitutes for any combination of C12N2500/05 (for selenium), C12N2500/24 (transferrin/iron) and C12N2501/33 (insulin). An example of "undefined extract" is Bovine Pituitary Extract (BPE), C12N2500/84; serum is not indexed as undefined extract since codes are provided for its explicit absence. C12N2500/02 codes for explicitly low (or high) O₂ pressure, not for the "usual" 5% CO₂. Antibiotics are not foreseen in the scheme.

C12N2501/00:

Codes intended for biologically active agents in culture and differentiation processes in combination with C12N5/06 and subgroups or C12N5/0018. Indexation is made at the most relevant place, taking account of the biological pathway involved and not the chemical structure, unlike apparently similar hierarchies such as those found in C07K14/00 or A61K38/00; e.g. OKT3 antibody C12N2501/515, staurosporine C12N2501/727 (tyrosine kinase inhibitor), KAAD-cyclopamine C12N2501/41 (interferes with Hedgehog pathway), copper salts C12N2500/20 (more specific symbols under C12N2500/00 take precedence over C12N2501/00). Where pathways intersect or overlap, precedence is given to the most specific symbol and multiple classification may well be considered. Head symbols (C12N2501/10, C12N2501/20, C12N2501/30, etc) should be used only for specific agents not (yet) foreseen in the detailed scheme. C12N2501/998- C12N2501/999 serve as repository for proteins and chemicals which do not fit (yet) within the scheme. C12N2501/50 and sub-

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symbols, are not intended to code for markers used in purification and/or identification of cells. (These are intrinsic properties of the cells, not reagents.)

[C12N2502/00](#):

Complements the [C12N2500/00](#) and [C12N2501/00](#) series to indicate conditioned media or co-culture conditions. Also used to index the components of artificial constructs and tissue equivalents: see [C12N5/0697](#).

[C12N2506/00](#):

Symbols for "remarkable" differentiation processes, i.e.:

- differentiation from one lineage to a different one, "lineages" being understood as the three dot hierarchies under [C12N5/0602](#), (i.e. going from [C12N5/0603](#) - [C12N5/0693](#)).
- differentiation of pluripotent cells (ES [C12N5/0606](#), EG [C12N5/0611](#), iPS [C12N5/0696](#), multipotent adult stem cells [C12N5/0607](#)),
- and also dedifferentiation, i.e. going backwards from a differentiated cell type to the corresponding stem/progenitor.

"Typical" differentiation processes from a lineage-specific stem/progenitor cell to its regular progeny within the same lineage should not be indexed.

[C12N2506/00](#) is occasionally used to index files pertaining to "rejuvenation" without any actual, specific and characterized/type-able resulting product (see [C12N5/16](#)).

[C12N2509/00](#):

Used to spot the use of specific enzymes to digest tissues, i.e. not regular dispase/collagenase, or the use of very precise conditions for digestion.

[C12N2510/00](#):

Introduced with the closure of [C12N5/10](#).

[C12N2517/00](#):

[C12N2517/02](#) and [C12N2517/04](#) pertain to isolated cells from a transgenic or cloned animal ([A01K67/00](#), [C12N15/00](#) with [A01K](#)); in most cases, such documents do not actually belong to [C12N5/00](#). [C12N2517/10](#) documents pertain to cultivation steps which belong to [C12N5/00](#) (e.g. synchronisation of cells for nuclear transfer, maturation of oocytes for fecundation), although the ultimate purpose is still outside of [C12N5/00](#) and the document should be circulated accordingly.

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C12N2531/00:

Used in combination with **C12N5/06** (use of micros supports with a specific cell type).

C12N2533/00:

Used in combination with **C12N5/0068** (mostly), but also **C12N5/0012** and **C12N5/06**. Codes may be given either for the base material of the support or for coatings on said support.

C12N 1/00

Definition statement

This place covers:

Insert: the following text as the third paragraph of the Definition statement.

Subgroups **C12N1/105**, **C12N1/125**, **C12N1/145**, **C12N1/165**, **C12N1/185**, or **C12N1/205** covers a micro-organism per se which is a new natural isolate or a new mutant where the mutated gene is not known.

Replace: the existing paragraph starting with “Subgroup C12N1/04...” with the following paragraph.

Subgroup **C12N1/04** covers methods of preserving or maintaining viable microorganisms, subgroups **C12N1/10**, **C12N1/105**, **C12N1/12**, **C12N1/125**, **C12N1/14**, **C12N1/145**, **C12N1/16-C12N1/185**, **C12N1/20** and **C12N1/205** cover compositions of microorganisms irrespective of whether they are viable or not.

References

Limiting References

This place does not cover:

Replace: the existing Limiting references table with the following table.

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| | |
|-----------------------------------------------------------------------------------------|----------------------------|
| Medicinal preparations containing material from microorganisms | A61K 35/66 |
| Medicinal preparations containing material from algae | A61K 36/02 |
| Medicinal preparations containing material from fungi | A61K 36/06 |
| Preparing medicinal bacterial antigen or antibody compositions, e.g. bacterial vaccines | A61K 39/00 |

Informative references

Attention is drawn to the following places, which may be of interest for search:

Insert: the following three new references in the Informative references table.

| | |
|-----------------------------|---------------------------|
| Animal cells | C12N5/00 |
| Viruses | C12N7/00 |
| Algae other than microalgae | A01G33/00 |

Delete: the following three references from the Informative references table.

| | |
|-------------------------------------------------------------------------------------------------------|----------------------------|
| Cosmetic or toilet preparations containing material with undetermined composition from microorganisms | A61K 8/99 |
| Medicinal preparations containing material with undetermined composition from microorganisms | A61K 35/66 |
| Medicinal preparations containing antigens from microorganisms vaccines | A61K 39/00 |

Replace: in the following row, the symbol C09K 8/583 with C09K 8/582.

| | |
|------------------------------------------------------------------------------------------------------|----------------------------|
| Compositions for enhanced recovery of hydrocarbons, using bacteria (microbial enhanced oil recovery) | C09K 8/582 |
|------------------------------------------------------------------------------------------------------|----------------------------|

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Special rules of classification

Replace: the existing Special rules text with the following text.

The last place rule is applicable, but all information should be given a group. For example, if both yeast and bacterial compositions are part of the invention in the application, then classify in both (C12N1/16 or C12N1/165) and (C12N1/20 or C12N1/205).

C12N 1/04

Replace: the existing Relationships text with the following text.

Relationships with other classification places

Subgroups C12N1/10 - C12N1/205 cover compositions of microorganisms irrespective of whether they are viable or not.

Insert: the following new Limiting references section.

References

Limiting References

This place does not cover:

| | |
|----------------------------|------------|
| Immobilized microorganisms | C12N 11/00 |
|----------------------------|------------|

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C12N 1/10**References**

Delete: the entire Limiting references section.

Insert: the following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

| | |
|--------------------------------------------------------------------------------------------|---------------------------|
| Microorganisms expressing a defined gene (if an operon is expressed) | C12N15/52 |
| Mutant microorganisms in which the mutation is defined (according to the defined mutation) | C07K14/00, C12N9/00, C12Y |
| Microorganisms expressing a defined gene (according to the defined gene) | C07K14/00, C12N9/00, C12Y |
| Processes for the preparation of a compound or substance using a microorganism | C12P |

Insert: the following new Special rules of classification section.

Special rules of classification

Naturally isolated protozoa or mutant protozoa in which the mutation is undefined or cannot be defined are covered by C12N1/105.

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C12N 1/12**References****Limiting references***This place does not cover:*Replace: the text in the Limiting references table with the following text.

| | |
|---------------------|---------------------------|
| Algae as new plants | A01H13/00 |
|---------------------|---------------------------|

Informative references*Attention is drawn to the following places, which may be of interest for search:*Delete: the following two rows from the Informative references table.

| | |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Cosmetic or medicinal compositions or preparations comprising a microorganism | A61K , A61K35/66 |
| Naturally isolated microorganisms, or mutant microorganisms in which the mutation is undefined or cannot be defined | C12R1/00 |

Insert: the following new Special rules of classification section.**Special rules of classification**

Looping references between C12N 1/12 and A01H 13/00 have been identified. Until this inconsistency is resolved in IPC, the current classification practice in CPC is as follows:

The reference should stay in the title of CPC until the correction/change is made in IPC.

Naturally isolated unicellular algae or mutant unicellular algae in which the mutation is undefined or cannot be defined are covered by C12N1/125.

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C12N 1/14**References****Informative references**

Attention is drawn to the following places, which may be of interest for search:

Delete: the following two rows from the Informative references table.

| | |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Cosmetic or medicinal compositions or preparations comprising a microorganism | A61K , A61K35/66 |
| Naturally isolated micro-organisms, or mutant micro-organisms in which the mutation is undefined or cannot be defined | C12R1/00 |

Special rules of classification

Replace: the existing Special rules text with the following text.

Looping references between C12N 1/14 and A01H 15/00 have been identified. Until this inconsistency is resolved in IPC, the current classification practice in CPC is as follows:

The reference should stay in the title of CPC until the correction/change is made in IPC.

Naturally isolated fungi, yeast or *Saccharomyces*, or mutant fungi, yeast or *Saccharomyces* in which the mutation is undefined or cannot be defined are covered by C12N1/145, C12N1/165 and C12N1/185 and the appropriate C12R subgroup.

If the invention pertains to the attenuation of fungi, classification in C12N 1/36 should also be considered.

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C12N 1/20**References**

Delete: the entire Limiting references section.

Insert: the following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

| | |
|--------------------------------------------------------------------------------------------|---------------------------|
| Microorganisms expressing a defined gene (if an operon is expressed) | C12N15/52 |
| Mutant microorganisms in which the mutation is defined (according to the defined mutation) | C07K14/00, C12N9/00, C12Y |
| Microorganisms expressing a defined gene (according to the defined gene) | C07K14/00, C12N9/00, C12Y |
| Processes for the preparation of a compound or substance using a microorganism | C12P |

Insert: the following new Special rules of classification section.

Special rules of classification

Naturally isolated bacteria, or mutant bacteria in which the mutation is undefined or cannot be defined are covered by C12N1/205 and the appropriate C12R subgroup.

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C12R**Definition statement***This place covers:*

Replace: the existing Definition statement text with the following text.

This subclass is intended to enable a comprehensive search of subject matter related to microorganisms by combination of classification symbols of this subclass with classification symbols from other subgroups. Therefore, this subclass covers aspects of microorganisms that might also be entirely or partially covered elsewhere. This subclass is for secondary classification, i.e. supplementary classification of subject matter already classified as such in other classification places (C12C - C12Q).

The classification symbols of this subclass are not listed first when assigned to patent documents.

This group is obligatory in combination with C12N1/145, C12N1/165, C12N1/185 or C12N1/205, and optional in combination with C12N1/105 or C12N1/125.

References

Delete: the entire Limiting references section.

Insert: the following two new references in the Informative references table.

Informative references*Attention is drawn to the following places, which may be of interest for search:*

| | |
|--------------------------------------------------------------------|---------------------------|
| Viruses | C12N7/00 |
| Microorganisms expressing a defined gene if an operon is expressed | C12N15/52 |

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Special rules of classification

Replace: the existing Special rules text with the following text.

The last place rule is applicable, but all information should be given a symbol: for example, if Clostridium, Streptococcus, Hansenula and Petromyces are concerned, then classification in [C12R2001/145](#), [C12R2001/46](#), [C12R2001/78](#) and [C12R2001/645](#) should be given.

For specific viruses, attention is also drawn to the subgroups C12N 2700/00- C12N 2795/18188.

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3. REVISION CONCORDANCE LIST (RCL)

| Type* | From CPC Symbol (existing) | To CPC Symbol(s) |
|--------------|---------------------------------------|----------------------------------------------------------------------------------|
| D | C12R 1/00 | <administrative transfer to C12R 2001/00 ADD and C12N 1/00 INV simultaneously> |
| D | C12R 1/01 | <administrative transfer to C12R 2001/01 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/02 | <administrative transfer to C12R 2001/02 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/025 | <administrative transfer to C12R 2001/025 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/03 | <administrative transfer to C12R 2001/03 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/04 | <administrative transfer to C12R 2001/04 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/045 | <administrative transfer to C12R 2001/045 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/05 | <administrative transfer to C12R 2001/05 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/06 | <administrative transfer to C12R 2001/06 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/065 | <administrative transfer to C12R 2001/065 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/07 | <administrative transfer to C12R 2001/07 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/075 | <administrative transfer to C12R 2001/075 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/08 | <administrative transfer to C12R 2001/08 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/085 | <administrative transfer to C12R 2001/085 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/09 | <administrative transfer to C12R 2001/09 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/10 | <administrative transfer to C12R 2001/10 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/11 | <administrative transfer to C12R 2001/11 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/12 | <administrative transfer to C12R 2001/12 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/125 | <administrative transfer to C12R 2001/125 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/13 | <administrative transfer to C12R 2001/13 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/14 | <administrative transfer to C12R 2001/14 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/145 | <administrative transfer to C12R 2001/145 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/15 | <administrative transfer to C12R 2001/15 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/16 | <administrative transfer to C12R 2001/16 ADD and C12N 1/205 INV simultaneously> |

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| Type* | From CPC Symbol (existing) | To CPC Symbol(s) |
|--------------|---------------------------------------|----------------------------------------------------------------------------------|
| D | C12R 1/165 | <administrative transfer to C12R 2001/165 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/17 | <administrative transfer to C12R 2001/17 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/18 | <administrative transfer to C12R 2001/18 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/185 | <administrative transfer to C12R 2001/185 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/19 | <administrative transfer to C12R 2001/19 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/20 | <administrative transfer to C12R 2001/20 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/21 | <administrative transfer to C12R 2001/21 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/22 | <administrative transfer to C12R 2001/22 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/225 | <administrative transfer to C12R 2001/225 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/23 | <administrative transfer to C12R 2001/23 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/24 | <administrative transfer to C12R 2001/24 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/245 | <administrative transfer to C12R 2001/245 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/25 | <administrative transfer to C12R 2001/25 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/26 | <administrative transfer to C12R 2001/26 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/265 | <administrative transfer to C12R 2001/265 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/27 | <administrative transfer to C12R 2001/27 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/28 | <administrative transfer to C12R 2001/28 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/285 | <administrative transfer to C12R 2001/285 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/29 | <administrative transfer to C12R 2001/29 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/30 | <administrative transfer to C12R 2001/30 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/31 | <administrative transfer to C12R 2001/31 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/32 | <administrative transfer to C12R 2001/32 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/325 | <administrative transfer to C12R 2001/325 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/33 | <administrative transfer to C12R 2001/33 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/34 | <administrative transfer to C12R 2001/34 ADD and C12N 1/205 INV simultaneously> |

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| Type* | From CPC Symbol (existing) | To CPC Symbol(s) |
|--------------|---------------------------------------|----------------------------------------------------------------------------------|
| D | C12R 1/35 | <administrative transfer to C12R 2001/35 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/36 | <administrative transfer to C12R 2001/36 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/365 | <administrative transfer to C12R 2001/365 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/37 | <administrative transfer to C12R 2001/37 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/38 | <administrative transfer to C12R 2001/38 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/385 | <administrative transfer to C12R 2001/385 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/39 | <administrative transfer to C12R 2001/39 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/40 | <administrative transfer to C12R 2001/40 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/41 | <administrative transfer to C12R 2001/41 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/42 | <administrative transfer to C12R 2001/42 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/425 | <administrative transfer to C12R 2001/425 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/43 | <administrative transfer to C12R 2001/43 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/44 | <administrative transfer to C12R 2001/44 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/445 | <administrative transfer to C12R 2001/445 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/45 | <administrative transfer to C12R 2001/45 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/46 | <administrative transfer to C12R 2001/46 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/465 | <administrative transfer to C12R 2001/465 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/47 | <administrative transfer to C12R 2001/47 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/48 | <administrative transfer to C12R 2001/48 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/485 | <administrative transfer to C12R 2001/485 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/49 | <administrative transfer to C12R 2001/49 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/50 | <administrative transfer to C12R 2001/50 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/51 | <administrative transfer to C12R 2001/51 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/52 | <administrative transfer to C12R 2001/52 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/525 | <administrative transfer to C12R 2001/525 ADD and C12N 1/205 INV simultaneously> |

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| Type* | From CPC Symbol (existing) | To CPC Symbol(s) |
|--------------|---------------------------------------|----------------------------------------------------------------------------------|
| D | C12R 1/53 | <administrative transfer to C12R 2001/53 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/54 | <administrative transfer to C12R 2001/54 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/545 | <administrative transfer to C12R 2001/545 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/55 | <administrative transfer to C12R 2001/55 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/56 | <administrative transfer to C12R 2001/56 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/565 | <administrative transfer to C12R 2001/565 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/57 | <administrative transfer to C12R 2001/57 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/58 | <administrative transfer to C12R 2001/58 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/585 | <administrative transfer to C12R 2001/585 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/59 | <administrative transfer to C12R 2001/59 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/60 | <administrative transfer to C12R 2001/60 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/61 | <administrative transfer to C12R 2001/61 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/62 | <administrative transfer to C12R 2001/62 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/625 | <administrative transfer to C12R 2001/625 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/63 | <administrative transfer to C12R 2001/63 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/64 | <administrative transfer to C12R 2001/64 ADD and C12N 1/205 INV simultaneously> |
| D | C12R 1/645 | <administrative transfer to C12R 2001/645 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/65 | <administrative transfer to C12R 2001/65 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/66 | <administrative transfer to C12R 2001/66 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/665 | <administrative transfer to C12R 2001/665 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/67 | <administrative transfer to C12R 2001/67 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/68 | <administrative transfer to C12R 2001/68 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/685 | <administrative transfer to C12R 2001/685 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/69 | <administrative transfer to C12R 2001/69 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/70 | <administrative transfer to C12R 2001/70 ADD and C12N 1/145 INV simultaneously> |

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| <u>Type*</u> | <u>From CPC Symbol (existing)</u> | <u>To CPC Symbol(s)</u> |
|---------------------|------------------------------------------|----------------------------------------------------------------------------------|
| D | C12R 1/71 | <administrative transfer to C12R 2001/71 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/72 | <administrative transfer to C12R 2001/72 ADD and C12N 1/165 INV simultaneously> |
| D | C12R 1/725 | <administrative transfer to C12R 2001/725 ADD and C12N 1/165 INV simultaneously> |
| D | C12R 1/73 | <administrative transfer to C12R 2001/73 ADD and C12N 1/165 INV simultaneously> |
| D | C12R 1/74 | <administrative transfer to C12R 2001/74 ADD and C12N 1/165 INV simultaneously> |
| D | C12R 1/745 | <administrative transfer to C12R 2001/745 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/75 | <administrative transfer to C12R 2001/75 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/76 | <administrative transfer to C12R 2001/76 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/765 | <administrative transfer to C12R 2001/765 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/77 | <administrative transfer to C12R 2001/77 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/78 | <administrative transfer to C12R 2001/78 ADD and C12N 1/165 INV simultaneously> |
| D | C12R 1/785 | <administrative transfer to C12R 2001/785 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/79 | <administrative transfer to C12R 2001/79 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/80 | <administrative transfer to C12R 2001/80 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/81 | <administrative transfer to C12R 2001/81 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/82 | <administrative transfer to C12R 2001/82 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/825 | <administrative transfer to C12R 2001/825 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/83 | <administrative transfer to C12R 2001/83 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/84 | <administrative transfer to C12R 2001/84 ADD and C12N 1/165 INV simultaneously> |
| D | C12R 1/845 | <administrative transfer to C12R 2001/845 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/85 | <administrative transfer to C12R 2001/85 ADD and C12N 1/185 INV simultaneously> |
| D | C12R 1/86 | <administrative transfer to C12R 2001/86 ADD and C12N 1/185 INV simultaneously> |
| D | C12R 1/865 | <administrative transfer to C12R 2001/865 ADD and C12N 1/185 INV simultaneously> |
| D | C12R 1/87 | <administrative transfer to C12R 2001/87 ADD and C12N 1/185 INV simultaneously> |
| D | C12R 1/88 | <administrative transfer to C12R 2001/88 ADD and C12N 1/165 INV simultaneously> |

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| Type* | From CPC Symbol (existing) | To CPC Symbol(s) |
|--------------|---------------------------------------|----------------------------------------------------------------------------------|
| D | C12R 1/885 | <administrative transfer to C12R 2001/885 ADD and C12N 1/145 INV simultaneously> |
| D | C12R 1/89 | <administrative transfer to C12R 2001/89 ADD and C12N 1/125 INV simultaneously> |
| D | C12R 1/90 | <administrative transfer to C12R 2001/90 ADD and C12N 1/105 INV simultaneously> |
| D | C12R 1/91 | <administrative transfer to C12R 2001/91 ADD and C12N 1/00 INV simultaneously> |

* 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 1/105 | C12N 1/10 | NEW |
| C12N 1/125 | C12N 1/12 | NEW |
| C12N 1/145 | C12N 1/14 | NEW |
| C12N 1/165 | C12N 1/16 | NEW |
| C12N 1/185 | C12N 1/18 | NEW |
| C12N 1/205 | C12N 1/20 | NEW |
| C12R 1/00 | | DELETE |
| C12R 2001/00 | C12R 1/00 | NEW |
| C12R 1/01 | | DELETE |
| C12R 2001/01 | C12R 1/01 | NEW |
| C12R 1/02 | | DELETE |
| C12R 2001/02 | C12R 1/02 | NEW |
| C12R 1/025 | | DELETE |
| C12R 2001/025 | C12R 1/025 | NEW |
| C12R 1/03 | | DELETE |
| C12R 2001/03 | C12R 1/03 | NEW |
| C12R 1/04 | | DELETE |
| C12R 2001/04 | C12R 1/04 | NEW |
| C12R 1/045 | | DELETE |
| C12R 2001/045 | C12R 1/045 | NEW |
| C12R 1/05 | | DELETE |
| C12R 2001/05 | C12R 1/05 | NEW |
| C12R 1/06 | | DELETE |
| C12R 2001/06 | C12R 1/06 | NEW |
| C12R 1/065 | | DELETE |
| C12R 2001/065 | C12R 1/065 | NEW |
| C12R 1/07 | | DELETE |
| C12R 2001/07 | C12R 1/07 | NEW |
| C12R 1/075 | | DELETE |
| C12R 2001/075 | C12R 1/07 | NEW |
| C12R 1/08 | | DELETE |
| C12R 2001/08 | C12R 1/08 | NEW |
| C12R 1/085 | | DELETE |
| C12R 2001/085 | C12R 1/085 | NEW |
| C12R 1/09 | | DELETE |
| C12R 2001/09 | C12R 1/09 | NEW |
| C12R 1/10 | | DELETE |
| C12R 2001/10 | C12R 1/10 | NEW |
| C12R 1/11 | | DELETE |
| C12R 2001/11 | C12R 1/11 | NEW |
| C12R 1/12 | | DELETE |
| C12R 2001/12 | C12R 1/12 | NEW |

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| <u>CPC</u> | <u>IPC</u> | <u>Action*</u> |
|---------------|------------|----------------|
| C12R 1/125 | | DELETE |
| C12R 2001/125 | C12R 1/125 | NEW |
| C12R 1/13 | | DELETE |
| C12R 2001/13 | C12R 1/13 | NEW |
| C12R 1/14 | | DELETE |
| C12R 2001/14 | C12R 1/14 | NEW |
| C12R 1/145 | | DELETE |
| C12R 2001/145 | C12R 1/145 | NEW |
| C12R 1/15 | | DELETE |
| C12R 2001/15 | C12R 1/15 | NEW |
| C12R 1/16 | | DELETE |
| C12R 2001/16 | C12R 1/16 | NEW |
| C12R 1/165 | | DELETE |
| C12R 2001/165 | C12R 1/165 | NEW |
| C12R 1/17 | | DELETE |
| C12R 2001/17 | C12R 1/17 | NEW |
| C12R 1/18 | | DELETE |
| C12R 2001/18 | C12R 1/18 | NEW |
| C12R 1/185 | | DELETE |
| C12R 2001/185 | C12R 1/185 | NEW |
| C12R 1/19 | | DELETE |
| C12R 2001/19 | C12R 1/19 | NEW |
| C12R 1/20 | | DELETE |
| C12R 2001/20 | C12R 1/20 | NEW |
| C12R 1/21 | | DELETE |
| C12R 2001/21 | C12R 1/21 | NEW |
| C12R 1/22 | | DELETE |
| C12R 2001/22 | C12R 1/22 | NEW |
| C12R 1/225 | | DELETE |
| C12R 2001/225 | C12R 1/225 | NEW |
| C12R 1/23 | | DELETE |
| C12R 2001/23 | C12R 1/23 | NEW |
| C12R 1/24 | | DELETE |
| C12R 2001/24 | C12R 1/24 | NEW |
| C12R 1/245 | | DELETE |
| C12R 2001/245 | C12R 1/245 | NEW |
| C12R 1/25 | | DELETE |
| C12R 2001/25 | C12R 1/25 | NEW |
| C12R 1/26 | | DELETE |
| C12R 2001/26 | C12R 1/26 | NEW |
| C12R 1/265 | | DELETE |
| C12R 2001/265 | C12R 1/265 | NEW |
| C12R 1/27 | | DELETE |
| C12R 2001/27 | C12R 1/27 | NEW |
| C12R 1/28 | | DELETE |

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| <u>CPC</u> | <u>IPC</u> | <u>Action*</u> |
|---------------|------------|----------------|
| C12R 2001/28 | C12R 1/28 | NEW |
| C12R 1/285 | | DELETE |
| C12R 2001/285 | C12R 1/285 | NEW |
| C12R 1/29 | | DELETE |
| C12R 2001/29 | C12R 1/29 | NEW |
| C12R 1/30 | | DELETE |
| C12R 2001/30 | C12R 1/30 | NEW |
| C12R 1/31 | | DELETE |
| C12R 2001/31 | C12R 1/31 | NEW |
| C12R 1/32 | | DELETE |
| C12R 2001/32 | C12R 1/32 | NEW |
| C12R 1/325 | | DELETE |
| C12R 2001/325 | C12R 1/325 | NEW |
| C12R 1/33 | | DELETE |
| C12R 2001/33 | C12R 1/33 | NEW |
| C12R 1/34 | | DELETE |
| C12R 2001/34 | C12R 1/34 | NEW |
| C12R 1/35 | | DELETE |
| C12R 2001/35 | C12R 1/35 | NEW |
| C12R 1/36 | | DELETE |
| C12R 2001/36 | C12R 1/36 | NEW |
| C12R 1/365 | | DELETE |
| C12R 2001/365 | C12R 1/365 | NEW |
| C12R 1/37 | | DELETE |
| C12R 2001/37 | C12R 1/37 | NEW |
| C12R 1/38 | | DELETE |
| C12R 2001/38 | C12R 1/38 | NEW |
| C12R 1/385 | | DELETE |
| C12R 2001/385 | C12R 1/385 | NEW |
| C12R 1/39 | | DELETE |
| C12R 2001/39 | C12R 1/39 | NEW |
| C12R 1/40 | | DELETE |
| C12R 2001/40 | C12R 1/40 | NEW |
| C12R 1/41 | | DELETE |
| C12R 2001/41 | C12R 1/41 | NEW |
| C12R 1/42 | | DELETE |
| C12R 2001/42 | C12R 1/42 | NEW |
| C12R 1/425 | | DELETE |
| C12R 2001/425 | C12R 1/425 | NEW |
| C12R 1/43 | | DELETE |
| C12R 2001/43 | C12R 1/43 | NEW |
| C12R 1/44 | | DELETE |
| C12R 2001/44 | C12R 1/44 | NEW |
| C12R 1/445 | | DELETE |
| C12R 2001/445 | C12R 1/445 | NEW |

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| <u>CPC</u> | <u>IPC</u> | <u>Action*</u> |
|---------------|------------|----------------|
| C12R 1/45 | | DELETE |
| C12R 2001/45 | C12R 1/45 | NEW |
| C12R 1/46 | | DELETE |
| C12R 2001/46 | C12R 1/46 | NEW |
| C12R 1/465 | | DELETE |
| C12R 2001/465 | C12R 1/465 | NEW |
| C12R 1/47 | | DELETE |
| C12R 2001/47 | C12R 1/47 | NEW |
| C12R 1/48 | | DELETE |
| C12R 2001/48 | C12R 1/48 | NEW |
| C12R 1/485 | | DELETE |
| C12R 2001/485 | C12R 1/485 | NEW |
| C12R 1/49 | | DELETE |
| C12R 2001/49 | C12R 1/49 | NEW |
| C12R 1/50 | | DELETE |
| C12R 2001/50 | C12R 1/50 | NEW |
| C12R 1/51 | | DELETE |
| C12R 2001/51 | C12R 1/51 | NEW |
| C12R 1/52 | | DELETE |
| C12R 2001/52 | C12R 1/52 | NEW |
| C12R 1/525 | | DELETE |
| C12R 2001/525 | C12R 1/525 | NEW |
| C12R 1/53 | | DELETE |
| C12R 2001/53 | C12R 1/53 | NEW |
| C12R 1/54 | | DELETE |
| C12R 2001/54 | C12R 1/54 | NEW |
| C12R 1/545 | | DELETE |
| C12R 2001/545 | C12R 1/545 | NEW |
| C12R 1/55 | | DELETE |
| C12R 2001/55 | C12R 1/55 | NEW |
| C12R 1/56 | | DELETE |
| C12R 2001/56 | C12R 1/56 | NEW |
| C12R 1/565 | | DELETE |
| C12R 2001/565 | C12R 1/565 | NEW |
| C12R 1/57 | | DELETE |
| C12R 2001/57 | C12R 1/57 | NEW |
| C12R 1/58 | | DELETE |
| C12R 2001/58 | C12R 1/58 | NEW |
| C12R 1/585 | | DELETE |
| C12R 2001/585 | C12R 1/585 | NEW |
| C12R 1/59 | | DELETE |
| C12R 2001/59 | C12R 1/59 | NEW |
| C12R 1/60 | | DELETE |
| C12R 2001/60 | C12R 1/60 | NEW |
| C12R 1/61 | | DELETE |

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| <u>CPC</u> | <u>IPC</u> | <u>Action*</u> |
|---------------|------------|----------------|
| C12R 2001/61 | C12R 1/61 | NEW |
| C12R 1/62 | | DELETE |
| C12R 2001/62 | C12R 1/62 | NEW |
| C12R 1/625 | | DELETE |
| C12R 2001/625 | C12R 1/625 | NEW |
| C12R 1/63 | | DELETE |
| C12R 2001/63 | C12R 1/63 | NEW |
| C12R 1/64 | | DELETE |
| C12R 2001/64 | C12R 1/64 | NEW |
| C12R 1/645 | | DELETE |
| C12R 2001/645 | C12R 1/645 | NEW |
| C12R 1/65 | | DELETE |
| C12R 2001/65 | C12R 1/65 | NEW |
| C12R 1/66 | | DELETE |
| C12R 2001/66 | C12R 1/66 | NEW |
| C12R 1/665 | | DELETE |
| C12R 2001/665 | C12R 1/665 | NEW |
| C12R 1/67 | | DELETE |
| C12R 2001/67 | C12R 1/67 | NEW |
| C12R 1/68 | | DELETE |
| C12R 2001/68 | C12R 1/68 | NEW |
| C12R 1/685 | | DELETE |
| C12R 2001/685 | C12R 1/685 | NEW |
| C12R 1/69 | | DELETE |
| C12R 2001/69 | C12R 1/69 | NEW |
| C12R 1/70 | | DELETE |
| C12R 2001/70 | C12R 1/70 | NEW |
| C12R 1/71 | | DELETE |
| C12R 2001/71 | C12R 1/71 | NEW |
| C12R 1/72 | | DELETE |
| C12R 2001/72 | C12R 1/72 | NEW |
| C12R 1/725 | | DELETE |
| C12R 2001/725 | C12R 1/725 | NEW |
| C12R 1/73 | | DELETE |
| C12R 2001/73 | C12R 1/73 | NEW |
| C12R 1/74 | | DELETE |
| C12R 2001/74 | C12R 1/74 | NEW |
| C12R 1/745 | | DELETE |
| C12R 2001/745 | C12R 1/745 | NEW |
| C12R 1/75 | | DELETE |
| C12R 2001/75 | C12R 1/75 | NEW |
| C12R 1/76 | | DELETE |
| C12R 2001/76 | C12R 1/76 | NEW |
| C12R 1/765 | | DELETE |
| C12R 2001/765 | C12R 1/765 | NEW |

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| <u>CPC</u> | <u>IPC</u> | <u>Action*</u> |
|---------------|------------|----------------|
| C12R 1/77 | | DELETE |
| C12R 2001/77 | C12R 1/77 | NEW |
| C12R 1/78 | | DELETE |
| C12R 2001/78 | C12R 1/78 | NEW |
| C12R 1/785 | | DELETE |
| C12R 2001/785 | C12R 1/785 | NEW |
| C12R 1/79 | | DELETE |
| C12R 2001/79 | C12R 1/79 | NEW |
| C12R 1/80 | | DELETE |
| C12R 2001/80 | C12R 1/80 | NEW |
| C12R 1/81 | | DELETE |
| C12R 2001/81 | C12R 1/81 | NEW |
| C12R 1/82 | | DELETE |
| C12R 2001/82 | C12R 1/82 | NEW |
| C12R 1/825 | | DELETE |
| C12R 2001/825 | C12R 1/825 | NEW |
| C12R 1/83 | | DELETE |
| C12R 2001/83 | C12R 1/83 | NEW |
| C12R 1/84 | | DELETE |
| C12R 2001/84 | C12R 1/84 | NEW |
| C12R 1/845 | | DELETE |
| C12R 2001/845 | C12R 1/845 | NEW |
| C12R 1/85 | | DELETE |
| C12R 2001/85 | C12R 1/85 | NEW |
| C12R 1/86 | | DELETE |
| C12R 2001/86 | C12R 1/86 | NEW |
| C12R 1/865 | | DELETE |
| C12R 2001/865 | C12R 1/865 | NEW |
| C12R 1/87 | | DELETE |
| C12R 2001/87 | C12R 1/87 | NEW |
| C12R 1/88 | | DELETE |
| C12R 2001/88 | C12R 1/88 | NEW |
| C12R 1/885 | | DELETE |
| C12R 2001/885 | C12R 1/885 | NEW |
| C12R 1/89 | | DELETE |
| C12R 2001/89 | C12R 1/89 | NEW |
| C12R 1/90 | | DELETE |
| C12R 2001/90 | C12R 1/90 | NEW |
| C12R 1/91 | | DELETE |
| C12R 2001/91 | C12R 1/91 | 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.”

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- 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.

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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> |
|--------------------------------------------|---------------------------------------------------|------------------------------|-----------------------------------------------|
| A23C9/12 | C12R1/00 | Informative references | DELETE |
| A23C11/106 | C12R1/00 | Informative references | DELETE |
| A23C13/16 | C12R1/00 | Informative references | DELETE |
| A23C15/065 | C12R1/00 | Informative references | DELETE |
| A23C15/123 | C12R1/00 | Informative references | DELETE |
| A23C15/165 | C12R1/00 | Informative references | DELETE |
| A23C17/02 | C12R1/00 | Informative references | DELETE |
| A23C19/00 | C12R1/00 | Informative references | DELETE |
| A23C21/02 | C12R1/00 | Informative references | DELETE |
| C09D5/00 | C12R1/00 | Informative references | C12N1/00 |
| C12G1/0203 | C12R1/00 | Informative references | C12N1/00 |
| C12N7/00 | C12R1/91 | Limiting references | DELETE |
| C12N7/00 | C12R1/91 | Special rules | DELETE |
| C12P1/00 | C12R1/80 | Relationship | C12R2001/80 |
| G01N33/98 | C12R1/00-C12R1/92 | Informative references | DELETE |

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.