

CPC COOPERATIVE PATENT CLASSIFICATION

C CHEMISTRY; METALLURGY

(NOTES omitted)

CHEMISTRY

C12 BIOCHEMISTRY; BEER; SPIRITS; WINE; VINEGAR; MICROBIOLOGY; ENZYMOLOGY; MUTATION OR GENETIC ENGINEERING

(NOTES omitted)

C12R PROCESSES USING MICROORGANISMS

NOTE

The basis for the bacteria terminology is "Bergey's Manual of Determinative Bacteriology", Eighth Edition, 19/75.

WARNINGS

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](#)

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.

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|-------------|---------------------------------------|-------|--|
| 1/00 | Processes using microorganisms | 1/25 | . . . Lactobacillus plantarum |
| 1/01 | . using bacteria or actinomycetales | 1/26 | . . Methylomonas |
| 1/02 | . . Acetobacter | 1/265 | . . Micrococcus |
| 1/025 | . . Achromobacter | 1/27 | . . . Micrococcus flavus |
| 1/03 | . . Actinomadura | 1/28 | . . . Micrococcus glutamicus |
| 1/04 | . . Actinomyces | 1/285 | . . . Micrococcus lysodeikticus |
| 1/045 | . . Actinoplanes | 1/29 | . . Micromonospora |
| 1/05 | . . Alcaligenes | 1/30 | . . . Micromonospora chalybeata |
| 1/06 | . . Arthrobacter | 1/31 | . . . Micromonospora purpurea |
| 1/065 | . . Azotobacter | 1/32 | . . Mycobacterium |
| 1/07 | . . Bacillus | 1/325 | . . . Mycobacterium avium |
| 1/075 | . . . {Bacillus thuringiensis} | 1/33 | . . . Mycobacterium fortuitum |
| 1/08 | . . . Bacillus brevis | 1/34 | . . . Mycobacterium smegmatis |
| 1/085 | . . . Bacillus cereus | 1/35 | . . Mycoplasma |
| 1/09 | . . . Bacillus circulans | 1/36 | . . Neisseria |
| 1/10 | . . . Bacillus licheniformis | 1/365 | . . Nocardia |
| 1/11 | . . . Bacillus megaterium | 1/37 | . . Proteus |
| 1/12 | . . . Bacillus polymyxa | 1/38 | . . Pseudomonas |
| 1/125 | . . . Bacillus subtilis | 1/385 | . . . Pseudomonas aeruginosa |
| 1/13 | . . Brevibacterium | 1/39 | . . . Pseudomonas fluorescens |
| 1/14 | . . Chainia | 1/40 | . . . Pseudomonas putida |
| 1/145 | . . Clostridium | 1/41 | . . Rhizobium |
| 1/15 | . . Corynebacterium | 1/42 | . . Salmonella |
| 1/16 | . . . Corynebacterium diphtheriae | 1/425 | . . Serratia |
| 1/165 | . . . Corynebacterium poinsettiae | 1/43 | . . . Serratia marcescens |
| 1/17 | . . . Corynebacterium pyogenes | 1/44 | . . Staphylococcus |
| 1/18 | . . Erwinia | 1/445 | . . . Staphylococcus aureus |
| 1/185 | . . Escherichia | 1/45 | . . . Staphylococcus epidermidis |
| 1/19 | . . . Escherichia coli | 1/46 | . . Streptococcus; {Enterococcus; Lactococcus} |
| 1/20 | . . Flavobacterium | 1/465 | . . Streptomyces |
| 1/21 | . . Haemophilus | 1/47 | . . . Streptomyces albus |
| 1/22 | . . Klebsiella | 1/48 | . . . Streptomyces antibioticus |
| 1/225 | . . Lactobacillus | 1/485 | . . . Streptomyces aureofaciens |
| 1/23 | . . . Lactobacillus acidophilus | 1/49 | . . . Streptomyces aureus |
| 1/24 | . . . Lactobacillus brevis | 1/50 | . . . Streptomyces bikiniensis |
| 1/245 | . . . Lactobacillus casei | 1/51 | . . . Streptomyces candidus |

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| 1/52 | . . . | <i>Streptomyces chartreusis</i> |
| 1/525 | . . . | <i>Streptomyces diastatochromogenes</i> |
| 1/53 | . . . | <i>Streptomyces filipinensis</i> |
| 1/54 | . . . | <i>Streptomyces fradiae</i> |
| 1/545 | . . . | <i>Streptomyces griseus</i> |
| 1/55 | . . . | <i>Streptomyces hygroscopicus</i> |
| 1/56 | . . . | <i>Streptomyces lavendulae</i> |
| 1/565 | . . . | <i>Streptomyces lincolnensis</i> |
| 1/57 | . . . | <i>Streptomyces noursei</i> |
| 1/58 | . . . | <i>Streptomyces olivaceus</i> |
| 1/585 | . . . | <i>Streptomyces platensis</i> |
| 1/59 | . . . | <i>Streptomyces rimosus</i> |
| 1/60 | . . . | <i>Streptomyces sparosgenes</i> |
| 1/61 | . . . | <i>Streptomyces venezuelae</i> |
| 1/62 | . . | <i>Streptosporangium</i> |
| 1/625 | . . | <i>Streptoverticillium</i> |
| 1/63 | . . | <i>Vibrio</i> |
| 1/64 | . . | <i>Xanthomonas</i> |
| 1/645 | . using fungi | |
| 1/65 | . . | <i>Absidia</i> |
| 1/66 | . . | <i>Aspergillus</i> |
| 1/665 | . . . | <i>Aspergillus awamori</i> |
| 1/67 | . . . | <i>Aspergillus flavus</i> |
| 1/68 | . . . | <i>Aspergillus fumigatus</i> |
| 1/685 | . . . | <i>Aspergillus niger</i> |
| 1/69 | . . . | <i>Aspergillus oryzae</i> |
| 1/70 | . . . | <i>Aspergillus ustus</i> |
| 1/71 | . . . | <i>Aspergillus wentii</i> |
| 1/72 | . . | <i>Candida</i> |
| 1/725 | . . . | <i>Candida albicans</i> |
| 1/73 | . . . | <i>Candida lipolytica</i> |
| 1/74 | . . . | <i>Candida tropicalis</i> |
| 1/745 | . . | <i>Cephalosporium</i> |
| 1/75 | . . . | <i>Cephalosporium acremonium</i> |
| 1/76 | . . . | <i>Cephalosporium coeruleum</i> |
| 1/765 | . . . | <i>Cephalosporium crotocinigenum</i> |
| 1/77 | . . | <i>Fusarium</i> |
| 1/78 | . . | <i>Hansenula</i> |
| 1/785 | . . | <i>Mucor</i> |
| 1/79 | . . | <i>Paecilomyces</i> |
| 1/80 | . . | <i>Penicillium</i> |
| 1/81 | . . . | <i>Penicillium brevi</i> |
| 1/82 | . . . | <i>Penicillium chrysogenum</i> |
| 1/825 | . . . | <i>Penicillium notatum</i> |
| 1/83 | . . . | <i>Penicillium patulum</i> |
| 1/84 | . . | <i>Pichia</i> |
| 1/845 | . . | <i>Rhizopus</i> |
| 1/85 | . . | <i>Saccharomyces</i> |
| 1/86 | . . . | <i>Saccharomyces carlsbergensis</i> |
| 1/865 | . . . | <i>Saccharomyces cerevisiae</i> |
| 1/87 | . . . | <i>Saccharomyces lactis</i> |
| 1/88 | . . | <i>Torulopsis</i> |
| 1/885 | . . | <i>Trichoderma</i> |
| 1/89 | . using algae | |
| 1/90 | . using protozoa | |
| 1/91 | . using viruses or cell lines | |