

A01P

BIOCIDAL, PEST REPELLANT, PEST ATTRACTANT OR PLANT GROWTH REGULATORY ACTIVITY OF CHEMICAL COMPOUNDS OR PREPARATIONS

Definition statement

This place covers:

The use of compounds or preparations thereof for regulating plant growth, for pest control or for biocidal activity.

Biocidal activity and pest control includes the treatment of plants and inanimate surfaces such as materials, equipment and furniture that are not used for direct contact with food or feeding stuffs. Also included is disinfection and pest control for general hygiene purposes of animate surfaces of humans or animals wherein the effect is not intended to be medical or cosmetic, for example the treatment of parasites, lice, or ticks on humans or animals.

Pest control also includes repellants such as those used on animal or human skin.

Relationships with other classification places

This subclass covers biocidal, pest repellent, pest attractant or plant growth regulatory activity of chemical compounds or preparations already classified as such in subclasses [A01N](#) or [C12N](#), or in classes [C01](#), [C07](#) or [C08](#).

Attention is drawn to cases where the subject of the invention concerns only biocidal, pest repellent, pest attractant or plant growth regulatory activity of chemical compounds or preparations, and the chemical structure, compound, mixture or composition of this subject of the invention is known. In such cases, classification is made in both subclass [A01N](#) and subclass [A01P](#) as invention information.

Preservation of food or foodstuff, i.e. methods by which food is kept from spoilage after harvest or slaughter such as drying, refrigeration, fermentation, canning, pasteurization, freezing, irradiation, or the addition of chemical are classified in [A23B](#), [A23B 7/00](#), [A23K 30/00](#) or [A23L 3/00](#). Preservation of foods or foodstuffs in general is classified in group [A23L 3/00](#) while [A23B](#) includes the methods of preserving meat, sausages, fish, fish products, eggs, egg products, fruit, vegetables or edible seeds as well as the chemical ripening of fruit or vegetables.

Compositions for medical, dental or toilet purposes are classified in [A61K](#). This subclass covers, whether set forth as a composition, process of preparing the composition or process of treating using the composition, drugs or other biological compositions which are capable of being used as preparations for dentistry, for cosmetic purposes or for preventing, alleviating, treating or curing abnormal or pathological conditions of the living body.

References

Informative references

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

New plants or non-transgenic processes for obtaining them; plant reproduction by tissue culture techniques	A01H
Preservation of bodies of humans or animals or plants or parts thereof; biocides, e.g. As disinfectants, as pesticides, as herbicides; pest repellants or attractants; plant growth regulators	A01N
Preservation of food or foodstuff, e.g. pasteurizing, sterilizing	A23B , A23K 30/00 , A23L 3/00
Preservation or chemical ripening of harvested fruits or vegetables	A23B 7/00

Compositions for medical, dental or toilet purposes which kill or prevent the growth or proliferation of unwanted organisms	A61K
Sex sterilants for animals other than invertebrates	A61K
Methods or apparatus for sterilising	A61L
Inorganic chemistry	C01
Organic chemistry	C07
Organic macromolecular compounds; their preparation or chemical working-up; compositions based thereon	C08
Microorganisms or enzymes; compositions thereof; propagating, preserving, or maintaining microorganisms; mutation or genetic engineering; culture media	C12N

Special rules of classification

In this subclass, all of the different biocidal, repellent, attractant and plant growth regulatory activities stated in the claims and also significantly disclosed as examples in the disclosure are classified in all appropriate places.

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

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Acaricide	Any substance or mixture of substances intended for preventing or destroying mites and ticks or making them less harmful.
Arthropodicide	Any substance or mixture of substances intended for preventing or destroying arthropods, e.g. insects, myriapods, arachnids, crustaceans or making them less harmful.
Biocide	Any substance or mixture of substances intended for preventing, destroying, or mitigating any living organism (e.g., plant, animal). Examples of a biocide are: acaricide, arthropodicide, fungicide, insecticide, molluscicide, rodenticide.
Disinfectant	Any substance or mixture of substances intended for preventing, destroying, or mitigating microorganisms.
Fungicide	Any substance or mixture of substances intended for preventing or destroying moulds and fungi or making them less harmful.
Herbicide	Any substance or mixture of substances intended for preventing or destroying plant life or making it less harmful.
Insecticide	Any substance or mixture of substances intended for preventing or destroying insects or making them less harmful.
Molluscicide	Any substance or mixture of substances intended for preventing or destroying molluscs, e.g. snails, clams or making them less harmful.
Pesticide	Any substance or mixture of substances intended for preventing or destroying any pest (e.g., insects, rodents) or making it less harmful.
Plant	Any of a kingdom (Plantae) of multicellular eukaryotic mostly photosynthetic organisms typically lacking locomotive movement or obvious nervous or sensory organs and possessing cellulose cell walls.

Plant Growth Regulator	Materials which alter the plant or may affect plant growth through a chemical modification of the plant metabolism, such as auxins.
Rodenticide	Any substance or mixture of substances intended for preventing or destroying rodents, e.g. rats, mice or making them less harmful.

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

- Repellant and repellent

A01P 1/00

Disinfectants; Antimicrobial compounds or mixtures thereof

Definition statement

This place covers:

This group covers the use of compounds or preparations thereof as disinfectants, having for instance an antimicrobial activity. Disinfectant activity includes disinfection of inanimate surfaces such as materials, equipment and furniture that are not used for direct contact with food or feeding stuffs. Also included is disinfection of animate surfaces including of plants, and for general hygiene purposes of humans or animals wherein the effect is not intended to be medical or cosmetic.

A01P 3/00

Fungicides

Definition statement

This place covers:

This group covers the use of compounds or preparations thereof having anti-fungal or mold destroying activity.

A01P 5/00

Nematocides

Definition statement

This place covers:

This group covers the use of compounds or preparations thereof having an activity against nematodes.

A01P 7/00

Arthropodocides

Definition statement

This place covers:

This group covers the use of compounds or preparations thereof having an activity against arthropods, e.g. insects, myriapods, arachnids or crustaceans.

A01P 7/02

Acaricides

Definition statement

This place covers:

This group covers the use of compounds or preparations thereof having an activity against ticks and mites.

A01P 7/04

Insecticides

Definition statement

This place covers:

This group covers the use of compounds or preparations thereof having an activity against insects.

A01P 9/00

Molluscicides

Definition statement

This place covers:

This group covers the use of compounds or preparations thereof having an activity against molluscs, e.g. snails, slugs, clams.

A01P 11/00

Rodenticides

Definition statement

This place covers:

This group covers the use of compounds or preparations thereof having an activity against rodents, like mice or rats.

A01P 13/00

Herbicides; Algicides

Definition statement

This place covers:

This group covers the use of compounds or preparations thereof for controlling unwanted plants or algae.

A01P 13/02

selective

Definition statement

This place covers:

This group covers the use of compounds or preparations thereof for selectively controlling unwanted plants or algae usually in the presence of desired plants and algae.

A01P 15/00

Biocides for specific purposes not provided for in groups [A01P 1/00](#) - [A01P 13/00](#)

Definition statement

This place covers:

This group covers the use of compounds or preparations thereof for controlling unwanted growth of living organisms (e.g. plant or animal or microorganism) not specifically covered by [A01P 1/00](#) - [A01P 13/00](#).

A01P 17/00

Pest repellants

Definition statement

This place covers:

This group covers the use of compounds or preparations thereof having a repulsive activity against pests.

A01P 19/00

Pest attractants

Definition statement

This place covers:

This group covers the use of compounds or preparations thereof capable of attracting pests.

A01P 21/00

Plant growth regulators

Definition statement

This place covers:

This group covers the use of compounds or preparations thereof capable of modifying the growth of plants, including those that chemically modify plant metabolism, such as auxins.

A01P 23/00

Chemosterilants

Definition statement

This place covers:

This group covers the use of chemical compounds that cause reproductive sterility in a pest organism.