CPC COOPERATIVE PATENT CLASSIFICATION

A HUMAN NECESSITIES

AGRICULTURE

A01 AGRICULTURE; FORESTRY; ANIMAL HUSBANDRY; HUNTING; TRAPPING; FISHING

PRESERVATION OF BODIES OF HUMANS OR ANIMALS OR PLANTS OR PARTS THEREOF (preservation of food or foodstuff A23); BIOCIDES, e.g. AS DISINFECTANTS, AS PESTICIDES OR AS HERBICIDES (preparations for medical, dental or toiletry purposes which kill or prevent the growth or proliferation of unwanted organisms A61K); PEST REPELLANTS OR ATTRACTANTS; PLANT GROWTH REGULATORS

NOTES

- 1. This subclass covers:
 - · compositions, physical forms, methods of application of specific materials or the use of single compounds or compositions
 - chemosterilants for the sexual sterilisation of invertebrates, e.g. insects, whereas sex sterilants for other purposes are covered by A61K.
- 2. This subclass <u>does not cover</u> materials which affect the growth of a plant solely by supplying nutrients, i.e. plant food, ordinarily required for growth or materials which are used to prevent or cure mineral deficiencies in plants, e.g. addition of iron chelates to cure iron chlorosis, which materials are covered by class <u>C05</u>.
- 3. In this subclass, the following expression is used with the meaning indicated:
 - "plant growth regulators" are those materials which alter the plant through a chemical modification of the plant metabolism, such as auxins.
- 4. Biocidal, pest repellant, pest attractant or plant growth regulatory activity of compounds or preparations is further classified in subclass A01P.
- 5. {In this subclass, combination sets [C-Sets] are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions.}

WARNING

The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

1/12

8		
A01N 43/824	covered by	A01N 43/82
A01N 43/828	covered by	A01N 43/82
A01N 43/832	covered by	A01N 43/82
A01N 43/836	covered by	A01N 43/82
A01N 53/02	covered by	A01N 53/00
A01N 53/04	covered by	<u>A01N 53/00</u>
A01N 53/06	covered by	<u>A01N 53/00</u>
A01N 53/08	covered by	A01N 53/00
A01N 53/10	covered by	A01N 53/00
A01N 53/12	covered by	<u>A01N 53/00</u>
A01N 53/14	covered by	<u>A01N 53/00</u>
A01N 55/10	covered by	A01N 55/00

Preservation of bodies of humans or animals, or plants, or parts thereof

1/00 Preservation of bodies of humans or animals, or parts thereof

1/10 • Preservation of living parts

. . Chemical aspects of preservation

WARNING

Group A01N 1/12 is impacted by reclassification into group C12N 5/52.

Groups A01N 1/12 and C12N 5/52 should be considered in order to perform a complete search.

1/122 . . . Preservation or perfusion media

WARNING

Group A01N 1/122 is impacted by reclassification into group C12N 5/522.
Groups A01N 1/122 and C12N 5/522 should be considered in order to perform a complete search.

1/124 . . . Disinfecting agents, e.g. antimicrobials

WARNING

Group A01N 1/124 is impacted by reclassification into group C12N 5/524. Groups A01N 1/124 and C12N 5/524 should be considered in order to perform a complete search.

1/125 . . . Freeze protecting agents, e.g. cryoprotectants or osmolarity regulators

WARNING

Group <u>A01N 1/125</u> is impacted by reclassification into group <u>C12N 5/525</u>. Groups <u>A01N 1/125</u> and <u>C12N 5/525</u> should be considered in order to perform a complete search.

1/126 . . . Physiologically active agents, e.g. antioxidants or nutrients

WARNING

Group <u>A01N 1/126</u> is impacted by reclassification into group <u>C12N 5/526</u>. Groups <u>A01N 1/126</u> and <u>C12N 5/526</u> should be considered in order to perform a complete search.

1/128 • • • Chemically defined matrices for immobilising, holding or storing living parts, e.g. alginate gels; Chemically altering living parts, e.g. by cross-linking

WARNING

Group <u>A01N 1/128</u> is impacted by reclassification into group <u>C12N 5/528</u>.
Groups <u>A01N 1/128</u> and <u>C12N 5/528</u> should be considered in order to perform a complete search.

 1/14 . Mechanical aspects of preservation; Apparatus or containers therefor

WARNING

Group <u>A01N 1/14</u> is impacted by reclassification into groups <u>A61M 1/0272</u> - <u>A61M 1/0277</u> and <u>C12N 5/54</u>. Groups <u>A01N 1/14</u>, <u>A61M 1/0272</u> - <u>A61M 1/0277</u> and <u>C12N 5/54</u> should be considered in order to perform a complete search.

1/142 . . . Apparatus

WARNING

Group $\underline{A01N}$ $\underline{1/142}$ is impacted by reclassification into groups $\underline{A61M}$ $\underline{1/0272}$ - $\underline{A61M}$ $\underline{1/0277}$ and $\underline{C12N}$ $\underline{5/542}$.

Groups A01N 1/142, A61M 1/0272 - A61M 1/0277 and C12N 5/542 should be considered in order to perform a complete search.

1/143 . . . for organ perfusion

1/144 for temperature control, e.g. refrigerators or freeze-drying apparatus

WARNING

Group <u>A01N 1/144</u> is impacted by reclassification into group <u>C12N 5/544</u>. Groups <u>A01N 1/144</u> and <u>C12N 5/544</u> should be considered in order to perform a complete search.

1/145 Stationary or portable vessels generating cryogenic temperatures, e.g. liquid nitrogen baths

WARNING

Group <u>A01N 1/145</u> is impacted by reclassification into group <u>C12N 5/545</u>. Groups <u>A01N 1/145</u> and <u>C12N 5/545</u> should be considered in order to perform a complete search.

 1/146 . . . Non-refrigerated containers specially adapted for transporting or storing living parts whilst preserving

WARNING

Group <u>A01N 1/146</u> is impacted by reclassification into groups <u>A61J 1/10</u>, <u>A61M 1/0272</u> - <u>A61M 1/0277</u> and <u>C12N 5/546</u>.

All groups listed in this Warning should be considered in order to perform a complete search.

1/147 Carriers for immersion in cryogenic fluid for slow freezing or vitrification

WARNING

Group <u>A01N 1/147</u> is impacted by reclassification into group <u>C12N 5/547</u>. Groups <u>A01N 1/147</u> and <u>C12N 5/547</u> should be considered in order to perform a complete search.

1/148 with provisions specially adapted for transporting

WARNING

Group <u>A01N 1/148</u> is impacted by reclassification into group <u>C12N 5/548</u>. Groups <u>A01N 1/148</u> and <u>C12N 5/548</u> should be considered in order to perform a complete search.

1/16 . . Physical preservation processes

WARNING

Group A01N 1/16 is impacted by reclassification into group C12N 5/56.
Groups A01N 1/16 and C12N 5/56 should be considered in order to perform a complete search.

1/162 . . . Temperature processes, e.g. following predefined temperature changes over time

WARNING

Group A01N 1/162 is impacted by reclassification into group C12N 5/562.
Groups A01N 1/162 and C12N 5/562 should be considered in order to perform a complete search.

1/165 • Pressure processes, e.g. following predefined pressure changes over time

WARNING

Group <u>A01N 1/165</u> is impacted by reclassification into group <u>C12N 5/565</u>.
Groups <u>A01N 1/165</u> and <u>C12N 5/565</u> should be considered in order to perform a complete search.

1/168 . . . using electromagnetic fields or radiation; using acoustic waves or corpuscular radiation

WARNING

Group A01N 1/168 is impacted by reclassification into group C12N 5/568.

Groups A01N 1/168 and C12N 5/568 should be considered in order to perform a complete search.

3/00 Preservation of plants or parts thereof, e.g. inhibiting evaporation, improvement of the appearance of leaves {or protection against physical influences such as UV radiation using chemical compositions} (preservation or chemical ripening of fruit or vegetables A23B 7/00); Grafting wax

3/02 . Keeping cut flowers fresh chemically3/04 . Grafting-wax

<u>Biocides; Pest repellants or attractants; Plant growth regulators</u> NOTES

- 1. Attention is drawn to the definitions of groups of chemical elements following the title of section <u>C</u>.
- In groups <u>A01N 27/00</u> <u>A01N 65/00</u>, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, an active ingredient is classified in the last appropriate place.
- A composition, i.e. a mixture of two or more active ingredients is classified in the last of groups <u>A01N 27/00</u> - <u>A01N 65/00</u> that provides for at least one of these active ingredients.
- 4. Any part of a composition which is not identified by the classification according to Note (3), and which itself is determined to be novel and non-obvious, must also be classified in the last appropriate place in groups <u>A01N 27/00</u> <u>A01N 65/00</u>. The part can be either a single ingredient or a composition in itself.

- 5. Any part of a composition which is not identified by the classification according to Note (3) or (4), and which is considered to represent information of interest for search, may also be classified in the last appropriate place in groups A01N 27/00 A01N 65/00. This can, for example, be the case when it is considered of interest to enable searching of compositions using a combination of classification symbols. Such non-obligatory classification should be given as "additional information".
- Where a compound is described as existing in tautomeric forms, it is classified as if existing in the form which is classified last in the system.
- 7. Compounds covered by different main groups according to alternatively specified parts of their formulae are classified in every one of the relevant main groups.
- 8. Salts formed between two or more organic compounds are classified as the compound providing the essential ion and it is also classified as the compound providing the other ion.
- Salts or metal chelates of an organic compound are classified as that compound.
- 10.In this subclass, a foodstuff is not considered as an active ingredient.
- 11.Different materials applied in sequence, at different times, are considered as a mixture of all materials employed.
- 12. Synergistic or potentiated compositions are classified as if the synergist or potentiator were an active ingredient.
- 13.In groups A01N 25/00 A01N 65/00, the symbol X means nitrogen, oxygen, sulfur or a halogen; Y means nitrogen, oxygen or sulfur. A dotted line between atoms indicates an optional bond, e.g. indicates one or two single bonds or a double bond.

25/00 Biocides, pest repellants or attractants, or plant growth regulators, characterised by their forms, or by their non-active ingredients or by their methods of application {, e.g. seed treatment or sequential application}; Substances for reducing the noxious effect of the active ingredients to organisms other than pests

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.}

25/002 • {containing a foodstuff as carrier or diluent, i.e. baits}

25/004 . . {rodenticidal} 25/006 . . {insecticidal} 25/008 . . {molluscicidal}

25/008 . . {molluscicidal} 25/02 . containing liquids as car.

25/02 containing liquids as carriers, diluents or solvents
 25/04 Dispersions, {emulsions, suspoemulsions, suspension concentrates} or gels (foams

A01N 25/16)

25/06 . . . Aerosols

25/08 . containing solids as carriers or diluents

25/10 . . Macromolecular compounds

25/12 • Powders or granules (<u>A01N 25/26</u> takes precedence)

25/14 . . wettable

25/16 . Foams

25/18 • Vapour or smoke emitting compositions with delayed or sustained release

 ${\tt 25/20} \qquad {\tt .} \ \, {\tt Combustible} \ or \ heat-generating \ compositions$

25/22	 containing ingredients stabilising the active ingredients 	31/16	• • with two or more oxygen or sulfur atoms directly attached to the same aromatic ring system
25/24	 containing ingredients to enhance the sticking of the active ingredients 	33/00	Biocides, pest repellants or attractants, or plant
25/26	 in coated particulate form 		growth regulators containing organic nitrogen
25/28	Microcapsules {or nanocapsules}		compounds
			NOTE
25/30	 characterised by the surfactants 		NOTE
25/32	 Ingredients for reducing the noxious effect of the active substances to organisms other than pests, e.g. toxicity reducing compositions, self-destructing compositions 		{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.}
25/34	 Shaped forms, e.g. sheets, not provided for in any 		
	other sub-group of this main group	33/02	 Amines; Quaternary ammonium compounds
27/00	Biocides, pest repellants or attractants, or plant	33/04	 Nitrogen directly attached to aliphatic or cycloaliphatic carbon atoms
	growth regulators containing hydrocarbons	33/06	Nitrogen directly attached to an aromatic ring system
	NOTE	22/09	•
	{In this group, C-Sets are used for classification.	33/08	containing oxygen or sulfur
	The detailed information about the C-Sets construction and the associated syntax rules is	33/10	 having at least one oxygen or sulfur atom directly attached to an aromatic ring system
		33/12	Quaternary ammonium compounds
	found in the Definitions of <u>A01N</u> .}	33/14	containing nitrogen-to-halogen bonds
29/00	Piosides nest repellents or attractants or plant		
29/00	Biocides, pest repellants or attractants, or plant	33/16	 containing nitrogen-to-oxygen bonds
	growth regulators containing halogenated	33/18	Nitro compounds
	hydrocarbons	33/20	containing oxygen or sulfur attached to the
	NOTE		carbon skeleton containing the nitro group
	NOIE	33/22	having at least one oxygen or sulfur atom
	{In this group, C-Sets are used for classification. The detailed information about the C-Sets	33/22	and at least one oxygen of suntil atom and at least one nitro group directly attached to the same aromatic ring system
	construction and the associated syntax rules is	22/24	
	found in the Definitions of <u>A01N</u> .}	33/24	 only one oxygen atom attached to the nitrogen atom
29/02	Acyclic compounds or compounds containing	33/26	 containing nitrogen-to-nitrogen bonds, e.g. azides, diazo-amino compounds, diazonium compounds,
	halogen attached to an aliphatic side-chain of a cycloaliphatic ring system		hydrazine derivatives
29/04	cycloaliphatic ring system		hydrazine derivatives
29/04	cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system	35/00	hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds
29/06	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane 	35/00	hydrazine derivatives Biocides, pest repellants or attractants, or plant
	cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system	35/00	hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen,
29/06	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring 	35/00	hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical
29/06 29/08 29/10	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 	35/00	hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE
29/06 29/08	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an 	35/00	hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets
29/06 29/08 29/10	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene 	35/00	hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is
29/06 29/08 29/10 29/12	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant 	35/00	hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets
29/06 29/08 29/10 29/12	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or 		hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AO1N.}
29/06 29/08 29/10 29/12	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds 	35/00 35/02	hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AO1N.} . containing aliphatically bound aldehyde or keto
29/06 29/08 29/10 29/12	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or 		hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AO1N.} . containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives
29/06 29/08 29/10 29/12	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE 	35/02	hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AOIN.} • containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals
29/06 29/08 29/10 29/12	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE {In this group, C-Sets are used for classification. 		hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AOIN.} • containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals • containing aldehyde or keto groups, or thio
29/06 29/08 29/10 29/12	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets 	35/02	hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AOIN.} • containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals
29/06 29/08 29/10 29/12	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is 	35/02	hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AOIN.} containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals containing aldehyde or keto groups, or thio
29/06 29/08 29/10 29/12	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets 	35/02	Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.} containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals containing aldehyde or keto groups, or thio analogues thereof, directly attached to an aromatic ring system, e.g. acetophenone; Derivatives thereof,
29/06 29/08 29/10 29/12 31/00	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.} 	35/02 35/04	Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.} • containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals • containing aldehyde or keto groups, or thio analogues thereof, directly attached to an aromatic ring system, e.g. acetophenone; Derivatives thereof, e.g. acetals
29/06 29/08 29/10 29/12	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is 	35/02	Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.} • containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals • containing aldehyde or keto groups, or thio analogues thereof, directly attached to an aromatic ring system, e.g. acetophenone; Derivatives thereof, e.g. acetals • containing keto or thioketo groups as part of a ring,
29/06 29/08 29/10 29/12 31/00	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.} 	35/02 35/04	hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AOIN.} • containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals • containing aldehyde or keto groups, or thio analogues thereof, directly attached to an aromatic ring system, e.g. acetophenone; Derivatives thereof, e.g. acetals • containing keto or thioketo groups as part of a ring, e.g. cyclohexanone, quinone; Derivatives thereof,
29/06 29/08 29/10 29/12 31/00	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.} Acyclic compounds Oxygen or sulfur attached to an aliphatic side-chain 	35/02 35/04 35/06	hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AOIN.} • containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals • containing aldehyde or keto groups, or thio analogues thereof, directly attached to an aromatic ring system, e.g. acetophenone; Derivatives thereof, e.g. acetals • containing keto or thioketo groups as part of a ring, e.g. cyclohexanone, quinone; Derivatives thereof, e.g. ketals
29/06 29/08 29/10 29/12 31/00 31/02 31/04	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.} Acyclic compounds Oxygen or sulfur attached to an aliphatic side-chain of a carbocyclic ring system 	35/02 35/04	hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AOIN.} • containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals • containing aldehyde or keto groups, or thio analogues thereof, directly attached to an aromatic ring system, e.g. acetophenone; Derivatives thereof, e.g. acetals • containing keto or thioketo groups as part of a ring, e.g. cyclohexanone, quinone; Derivatives thereof,
29/06 29/08 29/10 29/12 31/00	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.} Acyclic compounds Oxygen or sulfur attached to an aliphatic side-chain of a carbocyclic ring system Oxygen or sulfur directly attached to a 	35/02 35/04 35/06	hydrazine derivatives Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AOIN.} • containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals • containing aldehyde or keto groups, or thio analogues thereof, directly attached to an aromatic ring system, e.g. acetophenone; Derivatives thereof, e.g. acetals • containing keto or thioketo groups as part of a ring, e.g. cyclohexanone, quinone; Derivatives thereof, e.g. ketals
29/06 29/08 29/10 29/12 31/00 31/02 31/04 31/06	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AO1N.} Acyclic compounds Oxygen or sulfur attached to an aliphatic side-chain of a carbocyclic ring system Oxygen or sulfur directly attached to a cycloaliphatic ring system 	35/02 35/04 35/06	Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AOIN.} containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals containing aldehyde or keto groups, or thio analogues thereof, directly attached to an aromatic ring system, e.g. acetophenone; Derivatives thereof, e.g. acetals containing keto or thioketo groups as part of a ring, e.g. cyclohexanone, quinone; Derivatives thereof, e.g. ketals at least one of the bonds to hetero atoms is to nitrogen
29/06 29/08 29/10 29/12 31/00 31/02 31/04	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.} Acyclic compounds Oxygen or sulfur attached to an aliphatic side-chain of a carbocyclic ring system Oxygen or sulfur directly attached to an aromatic Oxygen or sulfur directly attached to an aromatic 	35/02 35/04 35/06 35/08	Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AOIN.} containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals containing aldehyde or keto groups, or thio analogues thereof, directly attached to an aromatic ring system, e.g. acetophenone; Derivatives thereof, e.g. acetals containing keto or thioketo groups as part of a ring, e.g. cyclohexanone, quinone; Derivatives thereof, e.g. ketals at least one of the bonds to hetero atoms is to
29/06 29/08 29/10 29/12 31/00 31/02 31/04 31/06	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AO1N.} Acyclic compounds Oxygen or sulfur attached to an aliphatic side-chain of a carbocyclic ring system Oxygen or sulfur directly attached to a cycloaliphatic ring system 	35/02 35/04 35/06 35/08	Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AOIN.} containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals containing aldehyde or keto groups, or thio analogues thereof, directly attached to an aromatic ring system, e.g. acetophenone; Derivatives thereof, e.g. acetals containing keto or thioketo groups as part of a ring, e.g. cyclohexanone, quinone; Derivatives thereof, e.g. ketals at least one of the bonds to hetero atoms is to nitrogen
29/06 29/08 29/10 29/12 31/00 31/02 31/04 31/06	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.} Acyclic compounds Oxygen or sulfur attached to an aliphatic side-chain of a carbocyclic ring system Oxygen or sulfur directly attached to an aromatic Oxygen or sulfur directly attached to an aromatic 	35/02 35/04 35/06 35/08	Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AOIN.} containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals containing aldehyde or keto groups, or thio analogues thereof, directly attached to an aromatic ring system, e.g. acetophenone; Derivatives thereof, e.g. acetals containing keto or thioketo groups as part of a ring, e.g. cyclohexanone, quinone; Derivatives thereof, e.g. ketals at least one of the bonds to hetero atoms is to nitrogen
29/06 29/08 29/10 29/12 31/00 31/02 31/04 31/06 31/08 31/10	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.} Acyclic compounds Oxygen or sulfur attached to an aliphatic side-chain of a carbocyclic ring system Oxygen or sulfur directly attached to an aromatic ring system Oxygen or sulfur directly attached to an aromatic ring system Pentachlorophenol 	35/02 35/04 35/06 35/08	Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AOIN.} containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals containing aldehyde or keto groups, or thio analogues thereof, directly attached to an aromatic ring system, e.g. acetophenone; Derivatives thereof, e.g. acetals containing keto or thioketo groups as part of a ring, e.g. cyclohexanone, quinone; Derivatives thereof, e.g. ketals at least one of the bonds to hetero atoms is to nitrogen
29/06 29/08 29/10 29/12 31/00 31/02 31/04 31/06 31/08 31/10 31/12	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.} Acyclic compounds Oxygen or sulfur attached to an aliphatic side-chain of a carbocyclic ring system Oxygen or sulfur directly attached to a cycloaliphatic ring system Oxygen or sulfur directly attached to an aromatic ring system Pentachlorophenol Bis-chlorophenols 	35/02 35/04 35/06 35/08	Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AOIN.} containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals containing aldehyde or keto groups, or thio analogues thereof, directly attached to an aromatic ring system, e.g. acetophenone; Derivatives thereof, e.g. acetals containing keto or thioketo groups as part of a ring, e.g. cyclohexanone, quinone; Derivatives thereof, e.g. ketals at least one of the bonds to hetero atoms is to nitrogen
29/06 29/08 29/10 29/12 31/00 31/02 31/04 31/06 31/08 31/10	 cycloaliphatic ring system Halogen directly attached to a carbocyclic ring system Hexachlorocyclohexane Halogen directly attached to a polycyclic ring system Halogen attached to an aliphatic side chain of an aromatic ring system 1,1-Di- or 1,1,1-trihalo-2-aryl-ethane or -ethene or derivatives thereof, e.g. DDT Biocides, pest repellants or attractants, or plant growth regulators containing organic oxygen or sulfur compounds NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.} Acyclic compounds Oxygen or sulfur attached to an aliphatic side-chain of a carbocyclic ring system Oxygen or sulfur directly attached to an aromatic ring system Oxygen or sulfur directly attached to an aromatic ring system Pentachlorophenol 	35/02 35/04 35/06 35/08	Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having two bonds to hetero atoms with at the most one bond to halogen, e.g. aldehyde radical NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AOIN.} containing aliphatically bound aldehyde or keto groups, or thio analogues thereof; Derivatives thereof, e.g. acetals containing aldehyde or keto groups, or thio analogues thereof, directly attached to an aromatic ring system, e.g. acetophenone; Derivatives thereof, e.g. acetals containing keto or thioketo groups as part of a ring, e.g. cyclohexanone, quinone; Derivatives thereof, e.g. ketals at least one of the bonds to hetero atoms is to nitrogen

37/00	Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom having three bonds to hetero atoms with at the most two bonds to halogen, e.g. carboxylic acids (containing cyclopropane carboxylic acids or derivatives thereof, e.g. cyclopropane carboxylic acid nitriles,	37/36	 containing at least one carboxylic group or a thio analogue, or a derivative thereof, and a singly bound oxygen or sulfur atom attached to the same carbon skeleton, this oxygen or sulfur atom not being a member of a carboxylic group or of a thio analogue, or of a derivative thereof, e.g. hydroxy-carboxylic acids
	<u>A01N 53/00</u>)	37/38	. having at least one oxygen or sulfur atom
	NOTE	37/40	attached to an aromatic ring system having at least one carboxylic group or a thio
	{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.}	37/42	analogue, or a derivative thereof, and one oxygen or sulfur atom attached to the same aromatic ring system containing within the same carbon skeleton a
37/02	Saturated carboxylic acids or thio analogues thereof; Derivatives thereof	5,,, . 2	carboxylic group or a thio analogue, or a derivative thereof, and a carbon atom having only two bonds to hetero atoms with at the most one bond to
37/04	• polybasic		halogen, e.g. keto-carboxylic acids
37/06 37/08	 Unsaturated carboxylic acids or thio analogues thereof; Derivatives thereof containing carboxylic groups or thio analogues thereof, directly attached by the carbon atom to a 	37/44	 containing at least one carboxylic group or a thio analogue, or a derivative thereof, and a nitrogen atom attached to the same carbon skeleton by a single or double bond, this nitrogen atom not being
37/10	cycloaliphatic ring; Derivatives thereof Aromatic or araliphatic carboxylic acids, or thio analogues thereof; Derivatives thereof	37/46	a member of a derivative or of a thio analogue of a carboxylic group, e.g. amino-carboxylic acids N-acyl derivatives
37/12	• containing the group -CO-O-Ç:::Cn:'Y::: Cn means a carbon skeleton not containing a ring;	37/48 37/50	 Nitro-carboxylic acids; Derivatives thereof the nitrogen atom being doubly bound to the carbon skeleton
	Thio analogues thereof	37/52	• containing _{:::X} −Ç=N− groups, e.g. carboxylic acid
37/14	. containing the group $-CO-O-\overset{!}{C}\overset{!}{-}\overset{!}{X}\overset{!}{:}$; Thio		amidines
37/16	analogues thereof containing the group -CO-O-Y=; Thio analogues	39/00	Biocides, pest repellants or attractants, or plant growth regulators containing aryloxy- or arylthio- aliphatic or cycloaliphatic compounds, containing
37/18	thereof containing the group —CO—N<, e.g. carboxylic		the group $A_{r-0}-C_{n} = Y$ or $A_{r-S}-C_{n} = Y$, e.g.
37/20	acid amides or imides; Thio analogues thereof		phenoxyethylamine, phenylthio-acetonitrile, phenoxyacetone
31120	-CO-N=C=C _n =Y== '		<u>NOTES</u>
37/22	$ \begin{array}{c} wherein \ C_n \ means \ a \ carbon \ skeleton \ not \\ containing \ a \ ring; \ Thio \ analogues \ thereof \\ \bullet \bullet the \ nitrogen \ atom \ being \ directly \ attached \ to \ an \\ \end{array} $		 In this group, the symbol C_n means a carbon skeleton, not containing an aromatic ring system wherein n>=2
37/24 37/26	 aromatic ring system, e.g. anilides containing at least one oxygen or sulfur atom being directly attached to the same aromatic ring system containing the group j Thio 		2. {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of <u>A01N</u> .}
31/20	containing the group - T : ; Thio -CO-N-C:-X:: ; Thio analogues thereof	39/02 39/04	Aryloxy-carboxylic acids; Derivatives thereofAryloxy-acetic acids; Derivatives thereof
37/28	containing the group : : ; Thio -CO-N=X::: ; Thio analogues thereof	41/00	Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a sulfur atom bound to a hetero atom
37/30	• • containing the groups —CO—N< and,		NOTE
	containing the groups —CO—N< and,		{In this group, C-Sets are used for classification.
27/22	both being directly attached by their carbon atoms to the same carbon skeleton, e.g. H ₂ N—NH—CO —C ₆ H ₄ —COOCH ₃ ; Thio-analogues thereof		The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.}
37/32	 Cyclic imides of polybasic carboxylic acids or thio analogues thereof 	41/02	. containing a sulfur-to-oxygen double bond
37/34	. Nitriles	41/04 41/06 41/08	 Sulfonic acids; Derivatives thereof Sulfonic acid amides Sulfonic acid halides; alpha-Hydroxy-sulfonic acids; Amino-sulfonic acids; Thiosulfonic acids; Derivatives thereof
			acids; Derivatives thereof

41/10	Sulfones; Sulfoxides	43/30	• • • • with two oxygen atoms in positions 1,3,
41/10	 not containing sulfur-to-oxygen bonds, e.g. 		condensed with a carbocyclic ring
	polysulfides	43/32	• • six-membered rings
43/00	Biocides, pest repellants or attractants, or	43/34	 having rings with one nitrogen atom as the only ring hetero atom
	plant growth regulators containing heterocyclic	43/36	five-membered rings
	compounds (containing cyclic anhydrides, cyclic	43/38	condensed with carbocyclic rings
	imides A01N 37/00; containing compounds of	43/40	six-membered rings
	the formula $X_{m} = C_{n} - N \subset C_{1}$ containing only	43/42	condensed with carbocyclic rings
		43/44	three- or four-membered rings
	one heterocyclic ring, wherein m>=1 and n>=0	43/46	 rings with more than six members
	and -NCC) is unsubstituted or alkylsubstituted	43/48	 having rings with two nitrogen atoms as the only
		43/46	ring hetero atoms
	pyrrolidine, piperidine, morpholine, thiomorpholine,	43/50	1,3-Diazoles; Hydrogenated 1,3-diazoles
	piperazine or a polymethyleneimine with four or more		
	CH ₂ groups, <u>A01N 33/00</u> - <u>A01N 41/12</u> ; containing	43/52	condensed with carbocyclic rings, e.g. benzimidazoles
	cyclopropane carboxylic acids or derivatives thereof,	43/54	
	e.g. esters having heterocyclic rings, <u>A01N 53/00</u>)		. 1,3-Diazines; Hydrogenated 1,3-diazines
	<u>NOTES</u>	43/56	. 1,2-Diazoles; Hydrogenated 1,2-diazoles
	1. In group A01N 43/00, the following terms or	43/58	. 1,2-Diazines; Hydrogenated 1,2-diazines
	expressions are used with the meanings indicated:	43/60	1,4-Diazines; Hydrogenated 1,4-diazines
	"Hetero ring" is a ring having at least one	43/62	three- or four-membered rings or rings with more
	halogen nitrogen, oxygen or sulfur atom as a	12/61	than six members
	ring member.	43/64	having rings with three nitrogen atoms as the only
	"Bridged" means the presence of at least one	12/617	ring hetero atoms
	fusion other than ortho, peri and spiro.	43/647	. Triazoles; Hydrogenated triazoles
	 Two rings are "condensed" if they share at least 	43/653	1,2,4-Triazoles; Hydrogenated 1,2,4-triazoles
	one ring member, i.e. "spiro" and "bridged" are	43/66	• 1,3,5-Triazines, not hydrogenated and not
	considered as condensed.	12/69	substituted at the ring nitrogen atoms
	 "Condensed ring system" is a ring system 	43/68	with two or three nitrogen atoms directly
	in which all rings are condensed among	43/70	attached to ring carbon atoms
	themselves.	43/70	Diamino—1,3,5—triazines with only one oxygen, sulfur or halogen atom or only
	2. In group A01N 43/00, the number of rings in a		one cyano, thiocyano (—SCN), cyanato
	condensed system equals the number of scissions		(—OCN) or azido (— N_3) group directly
	necessary to convert the ring system into one acyclic chain. The relevant rings in a condensed		attached to a ring carbon atom
	system are chosen according to the following	43/707	•• 1,2,3- or 1,2,4-triazines; Hydrogenated 1,2,3- or
	criteria consecutively:		1,2,4-triazines
	i. lowest number of ring members,	43/713	. having rings with four or more nitrogen atoms as the
	ii. highest number of hetero atoms as ring		only ring hetero atoms
	members.	43/72	 having rings with nitrogen atoms and oxygen or
	Ring members shared by two or more rings are		sulfur atoms as ring hetero atoms
	regarded as being a member of each of these rings.	43/74	five-membered rings with one nitrogen atom and
	3. {In this group, C-Sets are used for classification.		either one oxygen atom or one sulfur atom in
	The detailed information about the C-Sets		positions 1,3
	construction and the associated syntax rules is	43/76	1,3-Oxazoles; Hydrogenated 1,3-oxazoles
	found in the Definitions of <u>A01N</u> .}	43/78	1,3-Thiazoles; Hydrogenated 1,3-thiazoles
43/02	having rings with one or more oxygen or sulfur	43/80	five-membered rings with one nitrogen atom and
43/02	atoms as the only ring hetero atoms		either one oxygen atom or one sulfur atom in
43/04	with one hetero atom		positions 1,2
43/04	ive-membered rings	43/82	five-membered rings with three ring hetero atoms
43/08		43/84	six-membered rings with one nitrogen atom and
	• • • with oxygen as the ring hetero atom		either one oxygen atom or one sulfur atom in
43/10	• • • with sulfur as the ring hetero atom		positions 1,4
43/12	condensed with a carbocyclic ring	43/86	six-membered rings with one nitrogen atom and
43/14	six-membered rings		either one oxygen atom or one sulfur atom in
43/16	• • • with oxygen as the ring hetero atom		positions 1,3
43/18	• • • with sulfur as the ring hetero atom	43/88	six-membered rings with three ring hetero atoms
43/20	three- or four-membered rings	43/90	 having two or more relevant hetero rings, condensed
43/22	rings with more than six members		among themselves or with a common carbocyclic
43/24	• with two or more hetero atoms	10.15	ring system
43/26	five-membered rings	43/92	• having rings with one or more halogen atoms as ring
43/28	• • • with two hetero atoms in positions 1,3		hetero atoms

45/00	Biocides, pest repellants or attractants, or plant growth regulators, containing compounds having three or more carbocyclic rings condensed among themselves, at least one ring not being			
	A01N 29/08; condensed with heterocyclic rings A01N 43/00)			
		NOTE		

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.}

45/02 . having three carbocyclic rings

47/00 Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds containing a carbon atom not being member of a ring and having no bond to a carbon or hydrogen atom, e.g. derivatives of carbonic acid (carbon tetrahalides A01N 29/02)

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.}

- 47/02 . the carbon atom having no bond to a nitrogen atom
- 47/04 . . containing >N—S—C≡(Hal)₃ groups
- 47/06 . . containing —O—CO—O— groups; Thio analogues thereof
- 47/08 . the carbon atom having one or more single bonds to nitrogen atoms
- 47/10 . . Carbamic acid derivatives, i.e. containing the group —O—CO—N<; Thio analogues thereof
- 47/12 . . . containing a —O—CO—N< group, or a thio analogue thereof, neither directly attached to a ring nor the nitrogen atom being a member of a heterocyclic ring
- . . . Di-thio analogues thereof 47/14
- 47/16 . . . the nitrogen atom being part of a heterocyclic
- 47/18 . . . containing a —O—CO—N< group, or a thio analogue thereof, directly attached to a heterocyclic or cycloaliphatic ring
- 47/20 . . . N-Aryl derivatives thereof
- 47/22 . . . O-Aryl or S-Aryl esters thereof
- 47/24 $-0-C0-\overset{.}{N}-\overset{...}{\overset{...}}{\overset{...}}{\overset{...}{\overset{...}{\overset{...}}{\overset{...}}{\overset{...}}{\overset{...}}}{\overset{...}}{\overset{...}{\overset{...}}{\overset{...}{\overset{...}{\overset{...}}{\overset{...}}{\overset{...}}}}{\overset{...}}{\overset{...}{\overset{...}}{\overset{...}{\overset{...}{\overset{...}}{\overset{...}}{\overset{...}}}}}{\overset{...}{\overset{...}}{\overset{...}{\overset{...}{\overset{...}{\overset{...}}{\overset{...}}{\overset{...}}}}}{\overset{...}{\overset{...}}{\overset{...}}{\overset{...}{\overset{...}}{\overset{...}}}}}{\overset{...}{\overset{...}{\overset{...}{\overset{...}}{\overset{...}}{\overset{...}}{\overset{...}}}}}$

analogues thereof

- 47/26 . . Oxidation products of dithiocarbamic acid derivatives, e.g. thiuram sulfides
- 47/28 . . Ureas or thioureas containing the groups >N— CO—N< or >N—CS—N< (isoureas, isothioureas A01N 47/42)
- 47/30 . . . Derivatives containing the group >N—CO—N aryl or >N—CS—N—aryl
- 47/32 $\cdot \cdot \cdot$ containing >N—CO—N< or >N—CS—N<groups directly attached to a cycloaliphatic ring

47/34 . . . containing the groups , e.g. >N-CO-N-CO-. >N-CO-N-Ç-O- , >N-CO-N=S... ,

biuret; Thio analogues thereof; Urea-aldehyde condensation products

- containing the group >N—CO—N< directly attached to at least one heterocyclic ring; Thio analogues thereof
- 47/38 containing the group >N—CO—N< where at least one nitrogen atom is part of a heterocyclic ring; Thio analogues thereof
- 47/40 . the carbon atom having a double or triple bond to nitrogen, e.g. cyanates, cyanamides
- 47/42 . . containing —N=CX₂ groups, e.g. isothiourea
- 47/44 . . . Guanidine; Derivatives thereof
- 47/46 . . containing —N=C=S groups

47/36

47/48 . . containing —S—C≡N groups (<u>A01N 43/00</u> - <u>A01N 47/38</u> take precedence)

49/00 Biocides, pest repellants or attractants, or plant growth regulators, containing compounds containing the group

$$\begin{array}{c} C \\ C_{n} + C_{n} + C^{*} - C^{*} - C^{*} + C^{*} + C_{m} + C^{*} \\ \times \times \end{array}$$

wherein m+n>=1, both X together may also mean -Y- or a direct carbon-to-carbon bond, and the carbon atoms marked with an asterisk are not part of any ring system other than that which may be formed by the atoms X, the carbon atoms in square brackets being part of any acyclic or cyclic structure, or the group

wherein A means a carbon atom or Y, n>=0, and not more than one of these carbon atoms being a member of the same ring system, e.g. juvenile insect hormones or mimics thereof (containing hydrocarbons A01N 27/00)

NOTES

- 1. Group A01N 49/00 is intended to cover insect hormones.
- 2. {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.}

Biocides, pest repellants or attractants, or plant growth regulators containing organic compounds having the sequences of atoms O-N-S, X-O-S, N—N—S, O—N—N or O-halogen, regardless of the number of bonds each atom has and with no atom of these sequences forming part of a heterocyclic ring

NOTE

51/00

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.}

53/00	Biocides, pest repellants or attractants, or plant growth regulators containing cyclopropane carboxylic acids or derivatives thereof	59/00	Biocides, pest repellants or attractants, or plant growth regulators containing elements or inorganic compounds
	<u>NOTE</u>		<u>NOTE</u>
	{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of <u>A01N</u> .}		{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of AOIN.}
55/00	Biocides, pest repellants or attractants, or plant growth regulators, containing organic compounds containing elements other than carbon, hydrogen, halogen, oxygen, nitrogen and sulfur (containing organo-phosphorus compounds A01N 57/00) NOTE	59/02 59/04 59/06 59/08	 Sulfur; Selenium; Tellurium; Compounds thereof Carbon disulfide; Carbon monoxide; Carbon dioxide Aluminium; Calcium; Magnesium; Compounds thereof Alkali metal chlorides; Alkaline earth metal
	{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of <u>A01N</u> .}	59/10 59/12 59/14 59/16	chlorides Fluorides Iodine, e.g. iodophors; Compounds thereof Boron; Compounds thereof Heavy metals: Compounds thereof
55/02 55/04 55/06 55/08	containing metal atomsTinMercurycontaining boron	59/16 59/18 59/20 59/22 59/24	 Heavy metals; Compounds thereof Mercury Copper Arsenic Cyanogen or compounds thereof, e.g. hydrogen cyanide, cyanic acid, cyanamide, thiocyanic acid
57/00	Biocides, pest repellants or attractants, or plant growth regulators containing organic phosphorus compounds NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets	59/26 61/00	Phosphorus; Compounds thereof Biocides, pest repellants or attractants, or plant growth regulators containing substances of unknown or undetermined composition, e.g. substances characterised only by the mode of action
57/02	 construction and the associated syntax rules is found in the Definitions of A01N.} having alternatively specified atoms bound to the phosphorus atom and not covered by a single one of groups A01N 57/10, A01N 57/18, A01N 57/26, A01N 57/24 		NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.}
57/04 57/06 57/08 57/10	 A01N 57/34 containing acyclic or cycloaliphatic radicals containing aromatic radicals containing heterocyclic radicals having phosphorus-to-oxygen bonds or phosphorus- 	61/02	 Mineral oils; Tar oils; Tar; Distillates, extracts or conversion products thereof (containing single chemical compounds isolated from these materials A01N 27/00 - A01N 59/00)
57/12 57/14 57/16 57/18 57/20 57/22	to-sulfur bonds (A01N 57/02 takes precedence) containing acyclic or cycloaliphatic radicals containing aromatic radicals containing heterocyclic radicals having phosphorus-to-carbon bonds (A01N 57/02 takes precedence) containing acyclic or cycloaliphatic radicals containing aromatic radicals	63/00	Biocides, pest repellants or attractants, or plant growth regulators containing microorganisms, viruses, microbial fungi, animals or substances produced by, or obtained from, microorganisms, viruses, microbial fungi or animals, e.g. enzymes or fermentates (containing compounds of determined constitution A01N 27/00 - A01N 59/00; unicellular algae A01N 65/03)
57/24	containing atomatic radicals containing heterocyclic radicals		NOTES
57/26 57/28	 having phosphorus-to-nitrogen bonds (A01N 57/02 takes precedence) containing acyclic or cycloaliphatic radicals 		 In this main group and its indented subgroups, the last place priority rule is not applied, i.e. the
57/30	containing acyclic of cycloanphatic radicals containing aromatic radicals		common rule is applied.
57/32 57/34	 containing heterocyclic radicals having phosphorus-to-halogen bonds; Phosphonium salts 		 {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of <u>A01N</u>.}
57/36	having phosphorus as a ring member	63/10	Animals; Substances produced thereby or obtained therefrom
		63/12	Nematodes
		63/14	Insects

	{In this group, C-Sets are used for classification. The detailed information about the C-Sets	2300/00	Combinations or mixtures of active ingredients
	NOTE		
63/60	Isolated nucleic acids	65/48	 Zingiberaceae [Ginger family], e.g. ginger or galangal
	found in the Definitions of <u>A01N</u> .}	65/46	Stemonaceae [Stemona family], e.g. croomia
	The detailed information about the C-Sets construction and the associated syntax rules is	65/44	 Poaceae or Gramineae [Grass family], e.g. bamboo, lemon grass or citronella grass
	NOTE {In this group, C-Sets are used for classification.	03/42	family], e.g. aloe, veratrum, onion, garlic or chives
	<u>A01N 37/46</u>)	65/40 65/42	Liliopsida [monocotyledons]Aloeaceae [Aloe family] or Liliaceae [Lily
63/50	 Isolated enzymes; Isolated proteins (peptides 	65/385 65/40	{Tobacco}
63/40	. Viruses, e.g. bacteriophages	(5/295	tomato, tobacco or chilli pepper
63/38	Trichoderma	65/38	Solanaceae [Potato family], e.g. nightshade,
63/36	Penicillium		corktree or pricklyash
63/34	Aspergillus	65/36	Rutaceae [Rue family], e.g. lime, orange, lemon,
63/32	obtained therefrom Yeast	65/34	 Rosaceae [Rose family], e.g. strawberry, hawthorn, plum, cherry, peach, apricot or almond
63/30	Microbial fungi; Substances produced thereby or		hydrastis or goldenseal
63/28	Streptomyces	65/32	Ranunculaceae [Buttercup family], e.g. hepatica,
63/27	Pseudomonas		or rhubarb
63/25	. Paenibacillus	65/30	• Polygonaceae [Buckwheat family], e.g. red-knees
63/23	B. thuringiensis	65/28	Myrtaceae [Myrtle family], e.g. teatree or clove
63/22	therefrom . Bacillus	65/26	 Meliaceae [Chinaberry or Mahogany family], e.g. mahogany, langsat or neem
63/20	. Bacteria; Substances produced thereby or obtained		sassafras, cinnamon or camphor
63/16	Arachnids	65/24	Lauraceae [Laurel family], e.g. laurel, avocado,

construction and the associated syntax rules is found in the Definitions of A01N.

65/00 Biocides, pest repellants or attractants, or plant growth regulators containing material from algae, lichens, bryophyta, multi-cellular fungi or plants, or extracts thereof (containing compounds of determined constitution A01N 27/00 - A01N 59/00)

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules is found in the Definitions of A01N.}

- 65/03 . Algae
- 65/04 • Pteridophyta [fern allies]; Filicophyta [ferns]
- 65/06 . Coniferophyta [gymnosperms], e.g. cypress
- 65/08. Magnoliopsida [dicotyledons]
- 65/10 . . Apiaceae or Umbelliferae [Carrot family], e.g. parsley, caraway, dill, lovage, fennel or snakebed
- 65/12 . . Asteraceae or Compositae [Aster or Sunflower family], e.g. daisy, pyrethrum, artichoke, lettuce, sunflower, wormwood or tarragon
- 65/14 . . Celastraceae [Staff-tree or Bittersweet family], e.g. spindle tree, bittersweet or thunder god vine
- 65/16 . . Ericaceae [Heath or Blueberry family], e.g. rhododendron, arbutus, pieris, cranberry or bilberry
- 65/18 . . Euphorbiaceae [Spurge family], e.g. ricinus [castorbean]
- 65/20 . . Fabaceae or Leguminosae [Pea or Legume family], e.g. pea, lentil, soybean, clover, acacia, honey locust, derris or millettia
- 65/22 . . Lamiaceae or Labiatae [Mint family], e.g. thyme, rosemary, skullcap, selfheal, lavender, perilla, pennyroyal, peppermint or spearmint

covered by classes <u>A01N 27/00</u> - <u>A01N 65/48</u> with other active or formulation relevant ingredients, e.g. specific carrier materials or surfactants, covered by classes <u>A01N 25/00</u> - <u>A01N 65/48</u>

NOTE

A01N 2300/00 is only used as a subsequent symbol in C-Sets and should not be allocated as a single symbol. Detailed information about C-Sets construction and the associated syntax rules is present in the Definitions of A01N 27/00.