SECTION C — CHEMISTRY; METALLURGY

C07 ORGANIC CHEMISTRY

C07D HETEROCYCLIC COMPOUNDS (macromolecular compounds C08) [2]

Note(s) [2, 3, 7, 2006.01]

- 1. This subclass <u>does not cover</u> compounds containing saccharide radicals, as defined in Note (3) following the title of subclass C07H, which are covered by subclass C07H.
- 2. In this subclass, in compounds containing a hetero ring covered by group C07D 295/00 and at least one other hetero ring, the hetero ring covered by group C07D 295/00 is considered as an acyclic chain containing nitrogen atoms.
- 3. In this subclass, the following terms or expressions are used with the meanings indicated:
 - · "hetero ring" is a ring having at least one halogen, nitrogen, oxygen, sulfur, selenium or tellurium atom as a ring member;
 - "bridged" means the presence of at least one fusion other than ortho, peri or spiro;
 - two rings are "condensed" if they share at least one ring member, i.e. "spiro" and "bridged" are considered as condensed;
 - "condensed ring system" is a ring system in which all rings are condensed among themselves;
 - "number of relevant rings" in a condensed ring system equals the number of scissions necessary to convert the ring system into one acyclic chain;
 - "relevant rings" in a condensed ring system, i.e. the rings which taken together describe all the links between every atom of the ring system, are chosen according to the following criteria consecutively:
 - a. lowest number of ring members;
 - b. highest number of hetero atoms as ring members;
 - c. lowest number of members shared with other rings;
 - d. last place in the classification scheme.
- 4. Attention is drawn to Note (3) after class C07, which defines the last place priority rule applied in the range of subclasses C07C-C07K and within these subclasses.
- 5. Therapeutic activity of compounds is further classified in subclass A61P.
- 6. In this subclass, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary:
 - a. compounds having only one hetero ring are classified in the last appropriate place in one of the groups C07D 203/00-C07D 347/00. The same applies for compounds having more hetero rings covered by the same main group, neither condensed among themselves nor condensed with a common carbocyclic ring system;
 - b. compounds having two or more hetero rings covered by different main groups neither condensed among themselves nor condensed with a common carbocyclic ring system are classified in the last appropriate place in one of the groups C07D 401/00-C07D 421/00;
 - c. compounds having two or more relevant hetero rings, covered by the same or by different main groups, which are condensed among themselves or condensed with a common carbocyclic ring system, are classified in the last appropriate place in one of the groups C07D 451/00-C07D 519/00.
- 7. In this subclass:
 - where a compound may exist in tautomeric forms, it is classified as though existing in the form which is classified last in the
 system. Therefore, double bonds between ring members and non-ring members and double bonds between ring members themselves
 are considered equivalent in determining the degree of hydrogenation of the ring. Formulae are considered to be written in Kekule
 form;
 - hydrocarbon radicals containing a carbocyclic ring and an acyclic chain by which it is linked to the hetero ring and being substituted
 on both the carbocyclic ring and the acyclic chain by hetero atoms or by carbon atoms having three bonds to hetero atoms with at
 the most one bond to halogen, are classified according to the substituents on the acyclic chain. For example, the compound

is classified in groups C07D 233/24 and C07D 233/26, where X —NH2, —NHCOCH3, or —COOCH3.

Subclass index

COMPOUNDS CONTAINING ONE HETERO RING HAVING NITROGEN AS RING HETERO ATOM

only nitrogen atoms

one nitrogen atom

0	
Polymethyleneimine	295/00
Preparation of lactams	201/00
three-membered ring	
four-membered ring	
five-membered ring	

2

six-membered ring	211/00, 213/00, 215/00, 217/00,
cover membered sing	219/00, 221/00
seven-membered ring Other compounds	
two nitrogen atoms	223/00, 227/00
four-membered ring	229/00
five-membered ring	
six-membered ring.	
Piperazine	
seven-membered ring	
Other compounds	
three nitrogen atoms	
five-membered ring	249/00
six-membered ring	251/00, 253/00
Other compounds	255/00
four or more nitrogen atoms	257/00, 259/00
nitrogen and oxygen atoms	
five-membered ring	261/00, 263/00, 271/00
six-membered ring	265/00, 273/00
morpholine	
Other compounds	267/00, 269/00, 273/00
nitrogen and sulfur atoms	
five-membered ring.	
six-membered ring	
Thiomorpholine	
Other compounds	
nitrogen, oxygen, and sulfur atoms HAVING OXYGEN AS RING HETERO ATOM	291/00
1	
only oxygen atoms	
one oxygen atom	
one oxygen atom three-membered ring	
one oxygen atom three-membered ring four-membered ring	305/00
one oxygen atom three-membered ring four-membered ring five-membered ring	305/00
one oxygen atom three-membered ring	305/00 307/00 309/00, 311/00
one oxygen atom three-membered ring	305/00 307/00 309/00, 311/00
one oxygen atom three-membered ring	
one oxygen atom three-membered ring four-membered ring six-membered ring Other compounds two oxygen atoms five-membered ring six-membered ring Other compounds Other compounds Other compounds Other compounds	
one oxygen atom three-membered ring four-membered ring six-membered ring Other compounds two oxygen atoms five-membered ring six-membered ring other compounds three or more oxygen atoms Other compounds oxygen and nitrogen atoms	
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one oxygen atom three-membered ring	
one oxygen atom three-membered ring four-membered ring five-membered ring Other compounds two oxygen atoms five-membered ring six-membered ring Other compounds Other compounds Other compounds three or more oxygen atoms. Other compounds oxygen and nitrogen atoms five-membered ring six-membered ring Six-membered ring oxygen and nitrogen atoms five-membered ring six-membered ring Morpholine	
one oxygen atom three-membered ring four-membered ring five-membered ring other compounds two oxygen atoms five-membered ring other compounds oxygen and nitrogen atoms five-membered ring six-membered ring Six-membered ring Other compounds	
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one oxygen atom three-membered ring	
one oxygen atom three-membered ring four-membered ring five-membered ring six-membered ring Other compounds two oxygen atoms five-membered ring other compounds three or more oxygen atoms. Other compounds oxygen and nitrogen atoms five-membered ring six-membered ring oxygen and nitrogen atoms five-membered ring six-membered ring six-membered ring Morpholine Other compounds. oxygen, nitrogen and sulfur atoms. oxygen, nitrogen and sulfur atoms. HAVING SULFUR AS RING HETERO ATOM only sulfur atoms one sulfur atom five-membered ring six-membered ring six-membered ring	
one oxygen atom three-membered ring four-membered ring five-membered ring Six-membered ring Other compounds two oxygen atoms five-membered ring Other compounds three or more oxygen atoms. Other compounds Other compounds Other compounds Other compounds Other compounds Other compounds Other rompounds Other compounds oxygen and nitrogen atoms five-membered ring Six-membered ring Morpholine Other compounds oxygen and sulfur atoms oxygen, nitrogen and sulfur atoms HAVING SULFUR AS RING HETERO ATOM only sulfur atoms one sulfur atom five-membered ring six-membered ring Other compounds	
one oxygen atom three-membered ring	

3

Other compounds	281/00,	283/00, 285/00
sulfur and oxygen atoms	327/00	
sulfur, nitrogen, and oxygen atoms		
HAVING SELENIUM OR TELLURIUM AS RING HETERO ATOM		
only selenium or tellurium atoms	345/00	
together with nitrogen atoms	293/00	
together with oxygen atoms		
together with sulfur atoms		
HAVING HALOGEN AS RING HETERO ATOMCOMPOUNDS CONTAINING TWO OR MORE HETERO RINGS IN THE SAME RING SYSTEM		
HAVING NITROGEN AS RING HETERO ATOM		
only nitrogen	471/00	
at least one six-membered ring with one nitrogen atom		
Tropane, granatane		
Quinine, quinuclidine, isoquinuclidine		
Emetine, berberine		
Lysergic acid, ergot alkaloids		
Yohimbine		
Vincamine		
Carbacephalosporins	463/00	
Other compounds	487/00,	507/00, 513/00
Purine	473/00	
Pteridine	475/00	
Thienamycin	477/00	
nitrogen and oxygen	491/00,	498/00, 507/00
Morphine		
Oxapenicillins		
Oxacephalosporins		
nitrogen and sulfur		513/00
Penicillins		313/00
Cephalosporins		F1F/00
nitrogen, oxygen, and sulfur	507/00,	515/00
HAVING OXYGEN AS RING HETERO ATOM	402/00	
only oxygen		400/00 505/00
oxygen and nitrogen		498/00, 50//00
Morphine		
Oxapenicillins		
Oxacephalosporins	505/00	
oxygen and sulfur	497/00	
oxygen, nitrogen, and sulfur	507/00,	515/00
HAVING SULFUR AS RING HETERO ATOM		
only sulfur in a particular ring	495/00	
sulfur and oxygen	497/00	
sulfur, nitrogen, and oxygen	507/00,	515/00
HAVING SELENIUM, TELLURIUM, OR HALOGEN AS RING HETERO ATOMIN DIFFERENT RING SYSTEMS, EACH CONTAINING ONLY ONE HETERO RING	517/00	
HAVING NITROGEN AS RING HETERO ATOM		
only nitrogen		
at least one six-membered ring with one nitrogen atom	401/00	
Other compounds		
nitrogen and oxygen		413/00
nitrogen and sulfur		
thiamine		
nitrogen, oxygen, and sulfur		
HAVING OXYGEN AS RING HETERO ATOM		
only oxygenonly oxygen	407/00	
oxygen and nitrogen		<i>4</i> 13/00
		713/00
oxygen and sulfur	411/00	

oxygen, nitrogen, and sulfur	419/00	
HAVING SULFUR AS RING HETERO ATOM		
only sulfur in a particular ring	409/00	
sulfur and nitrogen	417/00	
thiamine	415/00	
sulfur and oxygen	411/00	
sulfur, nitrogen, and oxygen	419/00	
HAVING SELENIUM, TELLURIUM, OR HALOGEN AS RING HETERO ATOM	421/00	
COMPOUNDS CONTAINING TWO OR MORE RING SYSTEMS, HAVING EACH TWO OR MORE HETERO RINGSALKALOIDS	519/00	
Emetine	455/00	
Ergot		519/00
Granatanine		, 515/00
Morphine		
Nicotine		
Papaverine		
Quinine		
Strychnine		
Tropane		
CEPHALOSPORIN		
PENICILLIN		
PTERIDINE THIENAMYCIN		
PURINE		
THIAMINE		
COMPOUNDS CONTAINING UNSPECIFIED HETERO RINGS		

Heterocy atom [2]	clic compounds having only nitrogen as ring hetero	203/12	• • • • Radicals substituted by nitrogen atoms not forming part of a nitro radical [2, 2006.01]
201/00	Preparation, separation, purification, or stabilisation	203/14	• • • • with carbocyclic rings directly attached to the ring nitrogen atom [2, 2006.01]
201 /02	of unsubstituted lactams [2, 2006.01]	203/16	• • with acylated ring nitrogen atoms [2, 2006.01]
201/02 201/04	Preparation of lactams [2, 2006.01] form a vivia avimus by Paulimann	203/18	• • • by carboxylic acids, or by sulfur or nitrogen
201/04	• • from or <u>via</u> oximes by Beckmann rearrangement [2, 2006.01]		analogues thereof [2, 2006.01]
201/06	• • • from ketones by simultaneous oxime formation and rearrangement [2, 2006.01]	203/20	 • • by carbonic acid, or by sulfur or nitrogen analogues thereof, e.g. carbamates [2, 2006.01]
201/08	from carboxylic acids or derivatives thereof, e.g. hydroxy carboxylic acids, lactones, 10, 10, 2006, 2011.	203/22	• • • with hetero atoms directly attached to the ring nitrogen atom [2, 2006.01]
201/10	nitriles [2, 2006.01]	203/24	• • • • Sulfur atoms [2, 2006.01]
201/10	• • from cycloaliphatic compounds by simultaneous nitrosylation and rearrangement [2, 2006.01]	203/26	 condensed with carbocyclic rings or ring systems [2, 2006.01]
201/12	 by depolymerising polyamides [2, 2006.01] 		
		20= 100	11
201/14	 Preparation of salts or adducts of lactams [2, 2006.01] 	205/00	Heterocyclic compounds containing four-membered rings with one nitrogen atom as the only ring hetero
201/16	 Preparation of salts or adducts of lactams [2, 2006.01] Separation or purification [2, 2006.01] 		rings with one nitrogen atom as the only ring hetero atom [2, 2006.01]
	 Preparation of salts or adducts of lactams [2, 2006.01] 	205/02	 rings with one nitrogen atom as the only ring hetero atom [2, 2006.01] not condensed with other rings [2, 2006.01]
201/16	 Preparation of salts or adducts of lactams [2, 2006.01] Separation or purification [2, 2006.01] Stabilisation [2, 2006.01] Heterocyclic compounds containing three-membered rings with one nitrogen atom as the only ring hetero 		 rings with one nitrogen atom as the only ring hetero atom [2, 2006.01] not condensed with other rings [2, 2006.01] having no double bonds between ring members or between ring members and non-ring members [2, 2006.01]
201/16 201/18 203/00	 Preparation of salts or adducts of lactams [2, 2006.01] Separation or purification [2, 2006.01] Stabilisation [2, 2006.01] Heterocyclic compounds containing three-membered rings with one nitrogen atom as the only ring hetero atom [2, 2006.01] 	205/02	 rings with one nitrogen atom as the only ring hetero atom [2, 2006.01] not condensed with other rings [2, 2006.01] having no double bonds between ring members or between ring members and non-ring members [2, 2006.01] having one double bond between ring members or
201/16 201/18 203/00 203/02	 Preparation of salts or adducts of lactams [2, 2006.01] Separation or purification [2, 2006.01] Stabilisation [2, 2006.01] Heterocyclic compounds containing three-membered rings with one nitrogen atom as the only ring hetero atom [2, 2006.01] Preparation by ring-closure [2, 2006.01] 	205/02 205/04	 rings with one nitrogen atom as the only ring hetero atom [2, 2006.01] not condensed with other rings [2, 2006.01] having no double bonds between ring members or between ring members and non-ring members [2, 2006.01] having one double bond between ring members or between a ring member and a non-ring
201/16 201/18 203/00 203/02 203/04	 Preparation of salts or adducts of lactams [2, 2006.01] Separation or purification [2, 2006.01] Stabilisation [2, 2006.01] Heterocyclic compounds containing three-membered rings with one nitrogen atom as the only ring hetero atom [2, 2006.01] Preparation by ring-closure [2, 2006.01] not condensed with other rings [2, 2006.01] 	205/02 205/04 205/06	 rings with one nitrogen atom as the only ring hetero atom [2, 2006.01] not condensed with other rings [2, 2006.01] having no double bonds between ring members or between ring members and non-ring members [2, 2006.01] having one double bond between ring members or between a ring member and a non-ring member [2, 2006.01]
201/16 201/18 203/00 203/02	 Preparation of salts or adducts of lactams [2, 2006.01] Separation or purification [2, 2006.01] Stabilisation [2, 2006.01] Heterocyclic compounds containing three-membered rings with one nitrogen atom as the only ring hetero atom [2, 2006.01] Preparation by ring-closure [2, 2006.01] not condensed with other rings [2, 2006.01] having no double bonds between ring members or between ring members and non-ring 	205/02 205/04 205/06 205/08	 rings with one nitrogen atom as the only ring hetero atom [2, 2006.01] not condensed with other rings [2, 2006.01] having no double bonds between ring members or between ring members and non-ring members [2, 2006.01] having one double bond between ring members or between a ring member and a non-ring member [2, 2006.01] with one oxygen atom directly attached in position 2, e.g. beta-lactams [2, 2006.01]
201/16 201/18 203/00 203/02 203/04	 Preparation of salts or adducts of lactams [2, 2006.01] Separation or purification [2, 2006.01] Stabilisation [2, 2006.01] Heterocyclic compounds containing three-membered rings with one nitrogen atom as the only ring hetero atom [2, 2006.01] Preparation by ring-closure [2, 2006.01] not condensed with other rings [2, 2006.01] having no double bonds between ring members or between ring members and non-ring members [2, 2006.01] with only hydrogen atoms, hydrocarbon or 	205/02 205/04 205/06	 rings with one nitrogen atom as the only ring hetero atom [2, 2006.01] not condensed with other rings [2, 2006.01] having no double bonds between ring members or between ring members and non-ring members [2, 2006.01] having one double bond between ring members or between a ring member and a non-ring member [2, 2006.01] with one oxygen atom directly attached in position 2, e.g. beta-lactams [2, 2006.01] with a nitrogen atom directly attached in position 3 [5, 2006.01]
201/16 201/18 203/00 203/02 203/04 203/06	 Preparation of salts or adducts of lactams [2, 2006.01] Separation or purification [2, 2006.01] Stabilisation [2, 2006.01] Heterocyclic compounds containing three-membered rings with one nitrogen atom as the only ring hetero atom [2, 2006.01] Preparation by ring-closure [2, 2006.01] not condensed with other rings [2, 2006.01] having no double bonds between ring members or between ring members and non-ring members [2, 2006.01] 	205/02 205/04 205/06 205/08	 rings with one nitrogen atom as the only ring hetero atom [2, 2006.01] not condensed with other rings [2, 2006.01] having no double bonds between ring members or between ring members and non-ring members [2, 2006.01] having one double bond between ring members or between a ring member and a non-ring member [2, 2006.01] with one oxygen atom directly attached in position 2, e.g. beta-lactams [2, 2006.01] with a nitrogen atom directly attached in

205/10	 having two double bonds between ring members or between ring members and non-ring members [2, 2006.01] 	207/273 • • • • • with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to
205/12	 condensed with carbocyclic rings or ring systems [2, 2006.01] 	halogen, e.g. ester or nitrile radicals, directly attached to other ring carbon atoms [3, 2006.01]
207/00	Heterocyclic compounds containing five-membered rings not condensed with other rings, with one nitrogen atom as the only ring hetero atom [2, 2006.01]	207/277 • • • • • • Carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals [3, 2006.01]
		207/28 • • • • • • • 2-Pyrrolidone-5- carboxylic
	Note(s) [2] Pyrrolidines having only hydrogen atoms attached to the ring carbon atoms are classified in group	acids; Functional derivatives thereof, e.g. esters, nitriles [2, 3, 2006.01]
207/02	C07D 295/00.with only hydrogen or carbon atoms directly attached to the ring nitrogen atom [2, 2006.01]	 • having two double bonds between ring members or between ring members and non-ring members [2, 2006.01]
207/04	 having no double bonds between ring members or between ring members and non-ring members [2, 2006.01] 	207/32 • • • with only hydrogen atoms, hydrocarbon or substituted hydrocarbon radicals, directly attached to ring carbon atoms [2, 2006.01]
207/06	 • with radicals, containing only hydrogen and carbon atoms, attached to ring carbon atoms [2, 2006.01] 	207/323 • • • • with only hydrogen atoms or radicals containing only hydrogen and carbon atoms directly attached to the ring nitrogen
207/08	 • with hydrocarbon radicals, substituted by hetero atoms, attached to ring carbon atoms [2, 2006.01] 	atoms [3, 2006.01] 207/325 • • • • with substituted hydrocarbon radicals directly attached to the ring nitrogen
207/09	Radicals substituted by nitrogen atoms not forming part of a nitro radical [3, 2006.01]	atom [3, 2006.01] 207/327 • • • • • Radicals substituted by carbon atoms
207/10	 • • with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most 	having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester
	one bond to halogen, e.g. ester or nitrile radicals, directly attached to ring carbon atoms [2, 2006.01]	or nitrile radicals [3, 2006.01] 207/33 • • • • with substituted hydrocarbon radicals, directly attached to ring carbon
207/12	• • • • Oxygen or sulfur atoms [2, 2006.01]	atoms [3, 2006.01]
207/14	 • • • Nitrogen atoms not forming part of a nitro radical [2, 2006.01] • • • • Carbon atoms having three bonds to hetero 	207/333 • • • • • Radicals substituted by oxygen or sulfur atoms [3, 2006.01] 207/335 • • • • • Radicals substituted by nitrogen atoms
207/10	atoms with at the most one bond to halogen, e.g. ester or nitrile radicals [2, 2006.01]	not forming part of a nitro radical [3, 2006.01]
207/18	 having one double bond between ring members or between a ring member and a non-ring member [2, 2006.01] 	207/337 • • • • • Radicals substituted by carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester
207/20	 with only hydrogen atoms, hydrocarbon or 	or nitrile radicals [3, 2006.01]
	substituted hydrocarbon radicals, directly attached to ring carbon atoms [2, 2006.01]	207/34 • • • with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most
207/22	 • with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile 	one bond to halogen, e.g. ester or nitrile radicals, directly attached to ring carbon atoms [2, 2006.01]
	radicals, directly attached to ring carbon	207/36 • • • • Oxygen or sulfur atoms [2, 2006.01]
	atoms [2, 2006.01]	207/38 • • • • • 2-Pyrrolones [2, 2006.01]
207/24	• • • • Oxygen or sulfur atoms [2, 2006.01]	207/40 • • • • 2,5-Pyrrolidine-diones [2, 2006.01]
207/26	• • • • 2-Pyrrolidones [2, 2006.01]	207/404 • • • • • with only hydrogen atoms or radicals
207/263	• • • • • • with only hydrogen atoms or radicals containing only hydrogen and carbon atoms directly attached to other ring	containing only hydrogen and carbon atoms directly attached to other ring carbon atoms, e.g.
205/205	carbon atoms [3, 2006.01]	succinimide [3, 2006.01]
207/267	• • • • • with only hydrogen atoms or radicals containing only hydrogen and carbon atoms directly attached	207/408 • • • • • • • • Radicals containing only hydrogen and carbon atoms attached to ring carbon atoms [3, 2006.01]
207/27	to the ring nitrogen atom [3, 2006.01]	207/412 • • • • • • • • • • • • Acyclic radicals containing more than six carbon
207/27	• • • • • • with substituted hydrocarbon radicals directly attached to the ring nitrogen atom [3, 2006.01]	atoms [3, 2006.01] 207/416 • • • • • • with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to other ring carbon atoms [3, 2006.01]
		•••

207/42	• • • Nitro radicals [2, 2006.01]	209/38 • • • • in positions 2 and 3, e.g.
207/44	having three double bonds between ring members having members and non ring	isatin [2, 2006.01]
	or between ring members and non-ring members [2, 2006.01]	209/40 • • • Nitrogen atoms, not forming part of a nitro radical, e.g. isatin
207/444	• having two doubly-bound oxygen atoms	semicarbazone [2, 2006.01]
	directly attached in positions 2 and	209/42 • • • Carbon atoms having three bonds to hetero
	5 [3, 2006.01]	atoms with at the most one bond to halogen,
207/448	• • • with only hydrogen atoms or radicals	e.g. ester or nitrile radicals [2, 2006.01]
	containing only hydrogen and carbon atoms directly attached to other ring carbon atoms,	209/43 • • • with an —OCH ₂ CH(OH)CH ₂ NH ₂ radical, which may be further substituted, attached in
	e.g. maleimide [3, 2006.01]	positions 4, 5, 6 or 7 [5, 2006.01]
207/452		209/44 • • Iso-indoles; Hydrogenated iso-
	hetero atoms, directly attached to the ring	indoles [2, 2006.01]
207/456	nitrogen atom [3, 2006.01]	209/46 • • • with an oxygen atom in position 1 [2, 2006.01]
207/456	• • • with hetero atoms or with carbon atoms having three bonds to hetero atoms with at	209/48 • • • with oxygen atoms in positions 1 and 3, e.g. phthalimide [2, 2006.01]
	the most one bond to halogen, e.g. ester or	209/49 • • • and having in the molecule an acyl radical
	nitrile radicals, directly attached to other ring	containing a saturated three-membered ring,
	carbon atoms [3, 2006.01]	e.g. chrysanthemumic acid
207/46	• with hetero atoms directly attached to the ring	esters [5, 2006.01]
207/48	nitrogen atom [2, 2006.01] • Sulfur atoms [2, 2006.01]	209/50 • • • with oxygen and nitrogen atoms in positions 1
207/50	 Nitrogen atoms [2, 2006.01] 	and 3 [2, 2006.01] 209/52 • condensed with a ring other than six-
	-	membered [2, 2006.01]
209/00	Heterocyclic compounds containing five-membered	209/54 • • Spiro-condensed [2, 2006.01]
	rings, condensed with other rings, with one nitrogen atom as the only ring hetero atom [2, 2006.01]	209/56 • Ring systems containing three or more
209/02	• condensed with one carbocyclic ring [2, 2006.01]	rings [2, 2006.01]
209/04	 • Indoles; Hydrogenated indoles [2, 2006.01] 	209/58 • • [b]- or [c]-condensed [2, 2006.01]
209/06	• • • Preparation of indole from coal-tar [2, 2006.01]	209/60 • • • Naphtho [b] pyrroles; Hydrogenated naphtho [b] pyrroles [2, 2006.01]
209/08	• • • with only hydrogen atoms or radicals	209/62 • • Naphtho [c] pyrroles; Hydrogenated naphtho
	containing only hydrogen and carbon atoms,	[c] pyrroles [2, 2006.01]
	directly attached to carbon atoms of the hetero ring [2, 2006.01]	209/64 • • • with an oxygen atom in position
209/10	• • with substituted hydrocarbon radicals attached	1 [2, 2006.01]
203710	to carbon atoms of the hetero ring [2, 2006.01]	209/66 • • • with oxygen atoms in positions 1 and 3 [2, 2006.01]
209/12	• • • Radicals substituted by oxygen	209/68 • • • with oxygen and nitrogen atoms in positions
209/14	atoms [2, 2006.01]	1 and 3 [2, 2006.01]
209/14	• • • Radicals substituted by nitrogen atoms, not forming part of a nitro radical [2, 2006.01]	209/70 • • • containing carbocyclic rings other than six-
209/16	• • • • Tryptamines [2, 2006.01]	membered [2, 2006.01]
209/18	• • • Radicals substituted by carbon atoms having	209/72 • • • 4,7-Endo-alkylene-iso-indoles [2, 2006.01] 209/74 • • • with an oxygen atom in position
	three bonds to hetero atoms with at the most	1 [2, 2006.01]
	one bond to halogen, e.g. ester or nitrile radicals [2, 2006.01]	209/76 • • • • with oxygen atoms in positions 1 and
209/20	• • • substituted additionally by nitrogen	3 [2, 2006.01]
200720	atoms, e.g. tryptophane [2, 2006.01]	209/78 • • • • with oxygen and nitrogen atoms in positions
209/22	• • • • with an aralkyl radical attached to the ring	1 and 3 [2, 2006.01] 209/80 • • [b, c]- or [b, d]-condensed [2, 2006.01]
500/54	nitrogen atom [2, 2006.01]	209/82 • • • Carbazoles; Hydrogenated
209/24	• • • with an alkyl or cycloalkyl radical attached to the ring nitrogen	carbazoles [2, 2006.01]
	attached to the ring introgen atom [2, 2006.01]	209/84 • • • Separation, e.g. from tar;
209/26	• • • • with an acyl radical attached to the ring	Purification [2, 2006.01]
	nitrogen atom [2, 2006.01]	209/86 • • • with only hydrogen atoms, hydrocarbon or
209/28	• • • • • 1-(4-Chlorobenzoyl)-2-methyl-	substituted hydrocarbon radicals, directly attached to carbon atoms of the ring
	indolyl-3-acetic acid, substituted in position 5 by an oxygen or nitrogen	system [2, 2006.01]
	atom; Esters thereof [2, 2006.01]	209/88 • • • with hetero atoms or with carbon atoms
209/30	• • • with hetero atoms or with carbon atoms having	having three bonds to hetero atoms with at
	three bonds to hetero atoms with at the most	the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon
	one bond to halogen, directly attached to carbon atoms of the hetero ring [2, 2006.01]	atoms of the ring system [2, 2006.01]
209/32	• • • Oxygen atoms [2, 2006.01]	209/90 • • • Benzo [c, d] indoles; Hydrogenated benzo [c, d]
209/34	• • • • in position 2 [2, 2006.01]	indoles [2, 2006.01]
209/36	• • • • in position 3, e.g.	209/92 • • • Naphthostyrils [2, 2006.01]
	adrenochrome [2, 2006.01]	209/94 • • • containing carbocyclic rings other than six-membered [4, 2006.01]
		209/96 • • Spiro-condensed ring systems [2, 2006.01]
		2007 90 Spiro-condensed ring systems [2, 2000.01]

211/00	Heterocyclic compounds containing hydrogenated pyridine rings, not condensed with other	211/48 •	• • • • having an acyclic carbon atom attached in position 4 [2, 2006.01]
	rings [2, 2006.01]	211/50 •	• • • • • Aroyl radical [2, 2006.01]
	<u>Note(s) [2]</u>	211/52 •	 • • • having an aryl radical as the second substituent in position 4 [2, 2006.01]
	1. In this group, the following term is used with the	211/54 •	• • • Sulfur atoms [2, 2006.01]
	meaning indicated:	211/56 •	Nitrogen atoms (nitro radicals
	 "hydrogenated" means having less than three double bonds between ring members 		C07D 211/38) [2, 2006.01]
	or between ring members and non-ring	211/58 •	• • • attached in position 4 [2, 2006.01]
	members.	211/60 •	 Carbon atoms having three bonds to hetero
	2. Piperidines having only hydrogen atoms attached		atoms with at the most one bond to halogen,
	to ring carbon atoms are classified in group	211/62 •	e.g. ester or nitrile radicals [2, 2006.01] • • • attached in position 4 [2, 2006.01]
211/02	C07D 295/00. • Preparation by ring-closure or	211/64 •	• • • • having an aryl radical as the second
211/02	hydrogenation [2, 2006.01]		substituent in position 4 [2, 2006.01]
211/04	 with only hydrogen or carbon atoms directly attached 	211/66 •	 • • • having a hetero atom as the second
	to the ring nitrogen atom [2, 2006.01]	244402	substituent in position 4 [2, 2006.01]
211/06	having no double bonds between ring members or	211/68 •	 having one double bond between ring members or between a ring member and a non-ring
	between ring members and non-ring members [2, 2006.01]		member [2, 2006.01]
211/08	• • with hydrocarbon or substituted hydrocarbon	211/70 •	 with only hydrogen atoms, hydrocarbon or
,	radicals directly attached to ring carbon		substituted hydrocarbon radicals, directly
	atoms [2, 3, 2006.01]	244/=2	attached to ring carbon atoms [2, 2006.01]
211/10	• • • with radicals containing only carbon and	211/72 •	 with hetero atoms or with carbon atoms having three bonds to hetero atoms, with at the most
	hydrogen atoms attached to ring carbon atoms [2, 3, 2006.01]		one bond to halogen, directly attached to ring
211/12	• • • • with only hydrogen atoms attached to the		carbon atoms [2, 2006.01]
	ring nitrogen atom [2, 3, 2006.01]	211/74 •	• • • Oxygen atoms [2, 2006.01]
211/14	• • • • with hydrocarbon or substituted	211/76 •	• • • attached in position 2 or 6 [2, 2006.01]
	hydrocarbon radicals attached to the ring	211/78 •	• • Carbon atoms having three bonds to hetero
211/16	nitrogen atom [2, 2006.01]		atoms with at the most one bond to halogen [2, 2006.01]
211/16	• • • • with acylated ring nitrogen atom [2, 2006.01]	211/80 •	 having two double bonds between ring members
211/18	• • • with substituted hydrocarbon radicals		or between ring members and non-ring
	attached to ring carbon atoms [2, 2006.01]		members [2, 2006.01]
211/20	• • • • with hydrocarbon radicals, substituted by	211/82 •	 with only hydrogen atoms, hydrocarbon or substituted hydrocarbon radicals, directly
	singly bound oxygen or sulfur atoms [2, 2006.01]		attached to ring carbon atoms [2, 2006.01]
211/22	• • • • • by oxygen atoms [2, 2006.01]	211/84 •	 with hetero atoms or with carbon atoms having
211/24	• • • • • by sulfur atoms to which a second		three bonds to hetero atoms with at the most
	hetero atom is attached [2, 2006.01]		one bond to halogen, directly attached to ring
211/26	• • • • with hydrocarbon radicals, substituted by	211/86 •	carbon atoms [2, 2006.01] • • • Oxygen atoms [2, 2006.01]
211/20	nitrogen atoms [2, 2006.01] • • • • • to which a second hetero atom is	211/88 •	• • • attached in positions 2 and 6, e.g.
211/28	• • • • • to which a second hetero atom is attached [2, 2006.01]	- 117 00	glutarimide [2, 2006.01]
211/30	• • • • • with hydrocarbon radicals, substituted by	211/90 •	• • Carbon atoms having three bonds to hetero
	doubly bound oxygen or sulfur atoms or		atoms with at the most one bond to
	by two oxygen or sulfur atoms singly	211/92 •	halogen [2, 2006.01] with a hetero atom directly attached to the ring
	bound to the same carbon atom [2, 2006.01]		nitrogen atom [2, 2006.01]
211/32	• • • • • by oxygen atoms [2, 2006.01]		• Oxygen atom, e.g. piperidine N-oxide [2, 2006.01]
211/34	• • • • with hydrocarbon radicals, substituted by	211/96 •	
	carbon atoms having three bonds to	211/98 •	• Nitrogen atom [2, 2006.01]
	hetero atoms with at the most one bond to	213/00 He	terocyclic compounds containing six-membered
	halogen, e.g. ester or nitrile radicals [2, 2006.01]		gs, not condensed with other rings, with one
211/36	• • • with hetero atoms or with carbon atoms having	nit	rogen atom as the only ring hetero atom and three
	three bonds to hetero atoms with at the most		more double bonds between ring members or
	one bond to halogen, e.g. ester or nitrile		tween ring members and non-ring embers [2, 2006.01]
	radicals, directly attached to ring carbon atoms [2, 2006.01]		having three double bonds between ring members or
211/38	• • • Halogen atoms or nitro radicals [2, 2006.01]		between ring members and non-ring
211/40	• • • • Oxygen atoms [2, 2006.01]		members [2, 2006.01]
211/42	• • • • attached in position 3 or 5 [2, 2006.01]	213/04 •	having no bond between the ring nitrogen atom and a non-ring member or having only hydrogen
211/44	• • • • attached in position 4 [2, 2006.01]		and a non-ring member or having only hydrogen or carbon atoms directly attached to the ring
211/46	• • • • • having a hydrogen atom as the second		nitrogen atom [2, 2006.01]
	substituent in position 4 [2, 2006.01]		

213/06 • • containing only hydrogen and carbon atoms in	213/60 • • • with hetero atoms or with carbon atoms having
addition to the ring nitrogen atom [2, 2006.01]	three bonds to hetero atoms with at the most
213/08 • • • • Preparation by ring-closure [2, 2006.01]	one bond to halogen, e.g. ester or nitrile
213/09 • • • • involving the use of ammonia, amines,	radicals, directly attached to ring carbon
amine salts, or nitriles [3, 2006.01]	atoms [2, 2006.01]
213/10 • • • • • from acetaldehyde or cyclic polymers	213/61 • • • • Halogen atoms or nitro radicals [2, 2006.01]
thereof [3, 2006.01]	213/62 • • • • Oxygen or sulfur atoms [2, 2006.01]
213/12 • • • • • from unsaturated	213/63 • • • • • One oxygen atom [2, 2006.01]
compounds [3, 2006.01]	213/64 • • • • • attached in position 2 or 6 [2, 2006.01]
213/127 • • • Preparation from compounds containing	213/643 • • • • • • 2-Phenoxypyridines; Derivatives
pyridine rings [3, 2006.01]	thereof [5, 2006.01]
213/133 • • • • Preparation by dehydrogenation of	213/647 • • • • • and having in the molecule an acyl
hydrogenated pyridine	radical containing a saturated three-
compounds [3, 2006.01]	membered ring, e.g.
213/14 • • • Preparation from compounds containing	chrysanthemumic acid
heterocyclic oxygen [2, 2006.01]	esters [5, 2006.01]
213/16 • • • containing only one pyridine	213/65 • • • • • attached in position 3 or 5 [2, 2006.01]
ring [2, 2006.01]	213/66 • • • • • having in position 3 an oxygen
213/18 • • • • Salts thereof [2, 2006.01]	atom and in each of the positions 4
213/20 • • • • Quaternary compounds	and 5 a carbon atom bound to an
thereof [2, 2006.01]	oxygen, sulfur, or nitrogen atom,
213/22 • • • containing two or more pyridine rings	e.g. pyridoxal [2, 2006.01]
directly linked together, e.g.	213/67 • • • • • • • 2-Methyl-3-hydroxy-4,5-bis
bipyridyl [2, 2006.01]	(hydroxy-methyl) pyridine, i.e.
213/24 • • • with substituted hydrocarbon radicals attached	pyridoxine [2, 2006.01]
to ring carbon atoms [2, 2006.01]	213/68 • • • • • attached in position 4 [2, 2006.01]
213/26 • • • Radicals substituted by halogen atoms or	213/69 • • • • • Two or more oxygen atoms [2, 2006.01]
nitro radicals [2, 2006.01]	213/70 • • • • Sulfur atoms [4, 2006.01]
213/28 • • • Radicals substituted by singly-bound oxygen	213/71 • • • • to which a second hetero atom is
or sulfur atoms [2, 2006.01]	attached [4, 2006.01]
213/30 • • • • • Oxygen atoms [2, 2006.01]	213/72 • • • • Nitrogen atoms (nitro radicals
213/32 • • • • Sulfur atoms [2, 2006.01]	C07D 213/61) [2, 2006.01]
213/34 • • • • to which a second hetero atom is	213/73 • • • • • Unsubstituted amino or imino
attached [2, 2006.01]	radicals [2, 2006.01]
213/36 • • • • Radicals substituted by singly-bound	213/74 • • • • Amino or imino radicals substituted by
nitrogen atoms (nitro radicals	hydrocarbon or substituted hydrocarbon
C07D 213/26) [2, 2006.01]	radicals [2, 2006.01]
213/38 • • • • having only hydrogen or hydrocarbon	213/75 • • • • • Amino or imino radicals, acylated by carboxylic or carbonic acids, or by sulfur
radicals attached to the substituent	or nitrogen analogues thereof, e.g.
nitrogen atom [2, 2006.01]	carbamates [2, 2006.01]
213/40 • • • • Acylated substituent nitrogen	213/76 • • • • to which a second hetero atom is attached
atom [2, 2006.01]	(nitro radicals C07D 213/61) [2, 2006.01]
213/42 • • • • having hetero atoms attached to the	213/77 • • • • Hydrazine radicals [2, 2006.01]
substituent nitrogen atom (nitro radicals	213/78 • • • Carbon atoms having three bonds to hetero
C07D 213/26) [2, 2006.01]	atoms, with at the most one bond to halogen,
213/44 • • • • Radicals substituted by doubly-bound oxygen, sulfur, or nitrogen atoms, or by two	e.g. ester or nitrile radicals [2, 2006.01]
such atoms singly-bound to the same carbon	213/79 • • • • • Acids; Esters [2, 2006.01]
atom [2, 2006.01]	213/80 • • • • in position 3 [2, 2006.01]
213/46 • • • • • Oxygen atoms [2, 2006.01]	213/803 • • • • • Processes of preparation [3, 2006.01]
213/48 • • • • • • Aldehydo radicals [2, 2006.01]	213/807 • • • • • by oxidation of pyridines or
213/50 • • • • • • Ketonic radicals [2, 2006.01]	condensed pyridines [3, 2006.01]
213/51 • • • • • • • Acetal radicals [2, 2006.01]	213/81 • • • • • Amides; Imides [2, 2006.01]
	213/82 • • • • • in position 3 [2, 2006.01]
213/52 • • • • • Sulfur atoms [2, 2006.01]	213/83 • • • • • Thioacids; Thioesters; Thioamides;
213/53 • • • • Nitrogen atoms [2, 2006.01]	Thioimides [2, 2006.01]
213/54 • • • • Radicals substituted by carbon atoms having	213/84 • • • • Nitriles [2, 2006.01]
three bonds to hetero atoms with at the most	
one bond to halogen, e.g. ester or nitrile radicals [2, 2006.01]	213/85 • • • • • in position 3 [2, 2006.01]
213/55 • • • • • Acids; Esters [2, 2006.01]	213/86 • • • • • Hydrazides; Thio or imino analogues thereof [2, 2006.01]
0.10.170	213/87 • • • • • in position 3 [2, 2006.01]
213/56 • • • • • Amides [2, 2006.01] 213/57 • • • • • Nitriles [2, 2006.01]	213/88 • • • • • Nicotinoylhydrazones [2, 2006.01]
213/58 • • • • • Amidines [2, 2006.01]	213/89 • with hetero atoms directly attached to the ring nitrogen atom [2, 2006.01]
213/59 • • • • • with at least one of the bonds being to	maogen atom [2, 2000.01]
sulfur [2, 2006.01]	

040/00	1	045/00	
213/90	 having more than three double bonds between ring 	217/02	 with only hydrogen atoms or radicals containing only
	members or between ring members and non-ring		carbon and hydrogen atoms, directly attached to
	members [2, 2006.01]		carbon atoms of the nitrogen-containing ring;
24= 422	"		Alkylene-bis-isoquinolines [2, 2006.01]
215/00	Heterocyclic compounds containing quinoline or	217/04	 with hydrocarbon or substituted hydrocarbon
	hydrogenated quinoline ring systems [2, 2006.01]		radicals attached to the ring nitrogen
215/02	 having no bond between the ring nitrogen atom and a 		atom [2, 2006.01]
	non-ring member or having only hydrogen atoms or	217/06	 with the ring nitrogen atom acylated by carboxylic
	carbon atoms directly attached to the ring nitrogen		or carbonic acids, or with sulfur or nitrogen
	atom [2, 2006.01]		analogues thereof, e.g. carbamates [2, 2006.01]
215/04	 with only hydrogen atoms or radicals containing 	217/08	 with a hetero atom directly attached to the ring
	only hydrogen and carbon atoms, directly attached		nitrogen atom [2, 2006.01]
	to the ring carbon atoms [2, 2006.01]	217/10	 Quaternary compounds [2, 2006.01]
215/06	 having only hydrogen atoms, hydrocarbon or 	217/12	 with radicals, substituted by hetero atoms, attached to
	substituted hydrocarbon radicals, attached to		carbon atoms of the nitrogen-containing
	the ring nitrogen atom [2, 2006.01]		ring [2, 2006.01]
215/08	• • • with acylated ring nitrogen atom [2, 2006.01]	217/14	other than aralkyl radicals [2, 2006.01]
215/10	 Quaternary compounds [2, 2006.01] 	217/16	• • • substituted by oxygen atoms [2, 2006.01]
215/12	 with substituted hydrocarbon radicals attached to 	217/18	• • Aralkyl radicals [2, 2006.01]
	ring carbon atoms [2, 2006.01]	217/20	• • with oxygen atoms directly attached to the
215/14	 Radicals substituted by oxygen 	<u> 41</u> //40	aromatic ring of said aralkyl radical, e.g.
	atoms [2, 2006.01]		papaverine [2, 2006.01]
215/16	 with hetero atoms or with carbon atoms having 	217/22	with hetero atoms or with carbon atoms having three
	three bonds to hetero atoms with at the most one	<u> </u>	bonds to hetero atoms with at the most one bond to
	bond to halogen, e.g. ester or nitrile radicals,		halogen, e.g. ester or nitrile radicals, directly attached
	directly attached to ring carbon atoms [2, 2006.01]		to carbon atoms of the nitrogen-containing
215/18	 Halogen atoms or nitro radicals [2, 2006.01] 		ring [2, 2006.01]
215/20	• • • Oxygen atoms [2, 2006.01]	217/24	• • Oxygen atoms [2, 2006.01]
215/22	• • • attached in position 2 or 4 [2, 2006.01]	217/26	 Carbon atoms having three bonds to hetero atoms
215/227	 • • • only one oxygen atom which is attached 		with at the most one bond to halogen [2, 2006.01]
	in position 2 [5, 2006.01]		9
215/233	 • • • only one oxygen atom which is attached 	219/00	Heterocyclic compounds containing acridine or
	in position 4 [5, 2006.01]		hydrogenated acridine ring systems [2, 2006.01]
215/24	• • • attached in position 8 [2, 2006.01]	219/02	 with only hydrogen, hydrocarbon or substituted
215/26	• • • • • Alcohols; Ethers thereof [2, 2006.01]		hydrocarbon radicals, directly attached to carbon
215/26 215/28	• • • • • with halogen atoms or nitro radicals in	240/04	atoms of the ring system [2, 2006.01]
	• • • • • with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01]	219/04	atoms of the ring system [2, 2006.01]with hetero atoms or with carbon atoms having three
	• • • • • with halogen atoms or nitro radicals in	219/04	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to
215/28	• • • • • with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01]	219/04	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached
215/28 215/30	 • • • • • with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] • • • • • • Metal salts; Chelates [2, 2006.01] 		 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01]
215/28 215/30 215/32	 • • • • • with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] • • • • • Metal salts; Chelates [2, 2006.01] • • • • • Esters [2, 2006.01] 	219/06	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01]
215/28 215/30 215/32 215/34	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] 	219/06 219/08	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01]
215/28 215/30 215/32 215/34	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes 	219/06 219/08 219/10	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01]
215/28 215/30 215/32 215/34 215/36	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] 	219/06 219/08	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] Aminoalkyl-amino radicals attached in
215/28 215/30 215/32 215/34 215/36 215/38	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] 	219/06 219/08 219/10 219/12	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] Aminoalkyl-amino radicals attached in position 9 [2, 2006.01]
215/28 215/30 215/32 215/34 215/36 215/38 215/40	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] 	219/06 219/08 219/10	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] Aminoalkyl-amino radicals attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] 	219/06 219/08 219/10 219/12 219/14	atoms of the ring system [2, 2006.01] • with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] • Oxygen atoms [2, 2006.01] • Nitrogen atoms [2, 2006.01] • attached in position 9 [2, 2006.01] • with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01]
215/28 215/30 215/32 215/34 215/36 215/38 215/40	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said 	219/06 219/08 219/10 219/12	atoms of the ring system [2, 2006.01] • with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] • Oxygen atoms [2, 2006.01] • Nitrogen atoms [2, 2006.01] • attached in position 9 [2, 2006.01] • Aminoalkyl-amino radicals attached in position 9 [2, 2006.01] • with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] • with acyl radicals, substituted by nitrogen atoms,
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42 215/44	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] 	219/06 219/08 219/10 219/12 219/14	atoms of the ring system [2, 2006.01] • with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] • Oxygen atoms [2, 2006.01] • Nitrogen atoms [2, 2006.01] • attached in position 9 [2, 2006.01] • with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01]
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] with hydrocarbon radicals, substituted by 	219/06 219/08 219/10 219/12 219/14 219/16	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] Aminoalkyl-amino radicals attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01]
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42 215/44	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to said nitrogen 	219/06 219/08 219/10 219/12 219/14	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] Aminoalkyl-amino radicals attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] Heterocyclic compounds containing six-membered
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42 215/44 215/46	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to said nitrogen atoms [2, 2006.01] 	219/06 219/08 219/10 219/12 219/14 219/16	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] Aminoalkyl-amino radicals attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] Heterocyclic compounds containing six-membered rings having one nitrogen atom as the only ring
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42 215/44	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to said nitrogen atoms [2, 2006.01] Carbon atoms having three bonds to hetero 	219/06 219/08 219/10 219/12 219/14 219/16	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] Aminoalkyl-amino radicals attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] Heterocyclic compounds containing six-membered rings having one nitrogen atom as the only ring hetero atom, not provided for by groups
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42 215/44 215/46	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to said nitrogen atoms [2, 2006.01] 	219/06 219/08 219/10 219/12 219/14 219/16 221/00	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] Aminoalkyl-amino radicals attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] Heterocyclic compounds containing six-membered rings having one nitrogen atom as the only ring hetero atom, not provided for by groups C07D 211/00-C07D 219/00 [2, 2006.01]
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42 215/44 215/46	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms [2, 2006.01] Carbon atoms having three bonds to hetero atoms with at the most one bond to halogen [2, 2006.01] 	219/06 219/08 219/10 219/12 219/14 219/16	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] Aminoalkyl-amino radicals attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] Heterocyclic compounds containing six-membered rings having one nitrogen atom as the only ring hetero atom, not provided for by groups C07D 211/00-C07D 219/00 [2, 2006.01] condensed with carbocyclic rings or ring
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42 215/44 215/46 215/48	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms [2, 2006.01] Carbon atoms having three bonds to hetero atoms with at the most one bond to halogen [2, 2006.01] attached in position 4 [2, 2006.01] attached in position 4 [2, 2006.01] 	219/06 219/08 219/10 219/12 219/14 219/16 221/00	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] Heterocyclic compounds containing six-membered rings having one nitrogen atom as the only ring hetero atom, not provided for by groups C07D 211/00-C07D 219/00 [2, 2006.01] condensed with carbocyclic rings or ring systems [2, 2006.01]
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42 215/44 215/44	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms [2, 2006.01] Carbon atoms having three bonds to hetero atoms with at the most one bond to halogen [2, 2006.01] 	219/06 219/08 219/10 219/12 219/14 219/16 221/00	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] With acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] With acyl radicals containing six-membered rings having one nitrogen atom as the only ring hetero atom, not provided for by groups C07D 211/00-C07D 219/00 [2, 2006.01] condensed with carbocyclic rings or ring systems [2, 2006.01] Ortho- or peri-condensed ring
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42 215/44 215/46 215/48	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Nitrogen atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms [2, 2006.01] Carbon atoms having three bonds to hetero atoms with at the most one bond to halogen [2, 2006.01] attached in position 4 [2, 2006.01] 	219/06 219/08 219/10 219/12 219/14 219/16 221/00 221/02	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] Aminoalkyl-amino radicals attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] With acyl radicals on taining six-membered rings having one nitrogen atom as the only ring hetero atom, not provided for by groups C07D 211/00-C07D 219/00 [2, 2006.01] condensed with carbocyclic rings or ring systems [2, 2006.01] Ortho- or peri-condensed ring systems [2, 2006.01]
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42 215/44 215/46 215/48	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms [2, 2006.01] Carbon atoms having three bonds to hetero atoms with at the most one bond to halogen [2, 2006.01] attached in position 4 [2, 2006.01] 	219/06 219/08 219/10 219/12 219/14 219/16 221/00 221/02 221/04 221/06	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] Aminoalkyl-amino radicals attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals on taining six-membered rings having one nitrogen atom as the only ring hetero atom, not provided for by groups C07D 211/00-C07D 219/00 [2, 2006.01] condensed with carbocyclic rings or ring systems [2, 2006.01] Ortho- or peri-condensed ring systems [2, 2006.01] Ring systems of three rings [2, 2006.01]
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42 215/44 215/46 215/48 215/50 215/52 215/54	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms [2, 2006.01] Carbon atoms having three bonds to hetero atoms with at the most one bond to halogen [2, 2006.01] attached in position 4 [2, 2006.01] attached in position 4 [2, 2006.01] attached in position 3 [2, 2006.01] attached in position 3 [2, 2006.01] 	219/06 219/08 219/10 219/12 219/14 219/16 221/00 221/02 221/04 221/06 221/08	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] Aminoalkyl-amino radicals attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] condensed with carbocyclic rings systems [2, 2006.01] condensed with carbocyclic rings or ring systems [2, 2006.01] Ortho- or peri-condensed ring systems [2, 2006.01] Ring systems of three rings [2, 2006.01] Aza-anthracenes [2, 2006.01]
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42 215/44 215/46 215/48 215/50 215/52 215/54	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to said nitrogen atoms [2, 2006.01] Carbon atoms having three bonds to hetero atoms with at the most one bond to halogen [2, 2006.01] attached in position 4 [2, 2006.01] attached in position 4 [2, 2006.01] attached in position 3 [2, 2006.01] 	219/06 219/08 219/10 219/12 219/14 219/16 221/00 221/02 221/04 221/06 221/08 221/10	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] Aminoalkyl-amino radicals attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] With acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] condensed to the ring nitrogen atom as the only ring hetero atom, not provided for by groups C07D 211/00-C07D 219/00 [2, 2006.01] condensed with carbocyclic rings or ring systems [2, 2006.01] Ortho- or peri-condensed ring systems [2, 2006.01] Ring systems of three rings [2, 2006.01] Aza-anthracenes [2, 2006.01] Aza-phenanthrenes [2, 2006.01]
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42 215/44 215/46 215/48 215/50 215/52 215/54 215/56	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to said nitrogen atoms [2, 2006.01] Carbon atoms having three bonds to hetero atoms with at the most one bond to halogen [2, 2006.01] attached in position 4 [2, 2006.01] attached in position 4 [2, 2006.01] attached in position 3 [2, 2006.01] attached in position 3 [2, 2006.01] with oxygen atoms in position 4 [2, 2006.01] 	219/06 219/08 219/10 219/12 219/14 219/16 221/00 221/02 221/04 221/08 221/10 221/10 221/10	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] Aminoalkyl-amino radicals attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] Heterocyclic compounds containing six-membered rings having one nitrogen atom as the only ring hetero atom, not provided for by groups C07D 211/00-C07D 219/00 [2, 2006.01] condensed with carbocyclic rings or ring systems [2, 2006.01] Ortho- or peri-condensed ring systems [2, 2006.01] Ring systems of three rings [2, 2006.01] Aza-anthracenes [2, 2006.01] Aza-phenanthrenes [2, 2006.01] Phenanthridines [2, 2006.01]
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42 215/44 215/46 215/48 215/50 215/52 215/54 215/56	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to said nitrogen atoms [2, 2006.01] Carbon atoms having three bonds to hetero atoms with at the most one bond to halogen [2, 2006.01] attached in position 4 [2, 2006.01] attached in position 4 [2, 2006.01] attached in position 3 [2, 2006.01] attached in position 3 [2, 2006.01] attached in position 3 [2, 2006.01] with oxygen atoms in position 4 [2, 2006.01] with hetero atoms directly attached to the ring 	219/06 219/08 219/10 219/12 219/14 219/16 221/00 221/02 221/04 221/06 221/08 221/10	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] Aminoalkyl-amino radicals attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] With acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] condensed with carbocyclic rings six-membered rings having one nitrogen atom as the only ring hetero atom, not provided for by groups C07D 211/00-C07D 219/00 [2, 2006.01] condensed with carbocyclic rings or ring systems [2, 2006.01] Ortho- or peri-condensed ring systems [2, 2006.01] Ring systems of three rings [2, 2006.01] Aza-anthracenes [2, 2006.01] Aza-phenanthrenes [2, 2006.01] Phenanthridines [2, 2006.01] Aza-phenalenes, e.g. 1,8-
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42 215/44 215/46 215/50 215/52 215/54 215/56 215/58 215/60	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to said nitrogen atoms [2, 2006.01] Carbon atoms having three bonds to hetero atoms with at the most one bond to halogen [2, 2006.01] attached in position 4 [2, 2006.01] attached in position 3 [2, 2006.01] with aryl radicals attached in position 2 [2, 2006.01] attached in position 3 [2, 2006.01] with oxygen atoms in position 4 [2, 2006.01] with hetero atoms directly attached to the ring nitrogen atom [2, 2006.01] N-oxides [2, 2006.01] N-oxides [2, 2006.01] 	219/06 219/08 219/10 219/12 219/14 219/16 221/00 221/02 221/04 221/06 221/08 221/10 221/12 221/14	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] Aminoalkyl-amino radicals attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] With acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] condensed to the ring nitrogen atom as the only ring hetero atom, not provided for by groups C07D 211/00-C07D 219/00 [2, 2006.01] condensed with carbocyclic rings or ring systems [2, 2006.01] Ortho- or peri-condensed ring systems [2, 2006.01] Ring systems of three rings [2, 2006.01] Aza-anthracenes [2, 2006.01] Aza-phenanthrenes [2, 2006.01] Aza-phenalenes, e.g. 1,8-naphthalimide [2, 2006.01]
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42 215/44 215/46 215/48 215/50 215/52 215/54 215/56 215/58	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to said nitrogen atoms [2, 2006.01] Carbon atoms having three bonds to hetero atoms with at the most one bond to halogen [2, 2006.01] attached in position 4 [2, 2006.01] attached in position 4 [2, 2006.01] attached in position 3 [2, 2006.01] with aryl radicals attached in position 2 [2, 2006.01] with oxygen atoms in position 4 [2, 2006.01] with hetero atoms directly attached to the ring nitrogen atom [2, 2006.01] N-oxides [2, 2006.01] N-oxides [2, 2006.01] 	219/06 219/08 219/10 219/12 219/14 219/16 221/00 221/02 221/04 221/08 221/10 221/10 221/10	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] attached in position 9 [2, 2006.01] attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] condensed to the ring nitrogen atom as the only ring hetero atom, not provided for by groups C07D 211/00-C07D 219/00 [2, 2006.01] condensed with carbocyclic rings or ring systems [2, 2006.01] Ortho- or peri-condensed ring systems [2, 2006.01] Ring systems of three rings [2, 2006.01] Aza-anthracenes [2, 2006.01] Aza-phenanthrenes [2, 2006.01] Aza-phenanthrenes [2, 2006.01] Aza-phenalenes, e.g. 1,8-naphthalimide [2, 2006.01] containing carbocyclic rings other than six-
215/28 215/30 215/32 215/34 215/36 215/38 215/40 215/42 215/44 215/46 215/50 215/52 215/54 215/56 215/58 215/60	 with halogen atoms or nitro radicals in positions 5, 6 or 7 [2, 2006.01] Metal salts; Chelates [2, 2006.01] Esters [2, 2006.01] Carbamates [2, 2006.01] Sulfur atoms (C07D 215/24 takes precedence) [2, 2006.01] Nitrogen atoms (nitro radicals C07D 215/18) [2, 2006.01] attached in position 8 [2, 2006.01] attached in position 4 [2, 2006.01] with aryl radicals attached to said nitrogen atoms [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to said nitrogen atoms [2, 2006.01] Carbon atoms having three bonds to hetero atoms with at the most one bond to halogen [2, 2006.01] attached in position 4 [2, 2006.01] attached in position 3 [2, 2006.01] with aryl radicals attached in position 2 [2, 2006.01] attached in position 3 [2, 2006.01] with oxygen atoms in position 4 [2, 2006.01] with hetero atoms directly attached to the ring nitrogen atom [2, 2006.01] N-oxides [2, 2006.01] N-oxides [2, 2006.01] 	219/06 219/08 219/10 219/12 219/14 219/16 221/00 221/02 221/04 221/06 221/08 221/10 221/12 221/14	 atoms of the ring system [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to carbon atoms of the ring system [2, 2006.01] Oxygen atoms [2, 2006.01] Nitrogen atoms [2, 2006.01] Aminoalkyl-amino radicals attached in position 9 [2, 2006.01] with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] with acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] With acyl radicals, substituted by nitrogen atoms, attached to the ring nitrogen atom [2, 2006.01] condensed to the ring nitrogen atom as the only ring hetero atom, not provided for by groups C07D 211/00-C07D 219/00 [2, 2006.01] condensed with carbocyclic rings or ring systems [2, 2006.01] Ortho- or peri-condensed ring systems [2, 2006.01] Ring systems of three rings [2, 2006.01] Aza-anthracenes [2, 2006.01] Aza-phenanthrenes [2, 2006.01] Aza-phenalenes, e.g. 1,8-naphthalimide [2, 2006.01]

221/20 221/22 221/24 221/26 221/28	 • Spiro-condensed ring systems [2, 2006.01] • Bridged ring systems [2, 2006.01] • Camphidines [2, 2006.01] • Benzomorphans [2, 2006.01] • Morphinans [2, 2006.01] 	227/00	Heterocyclic compounds containing rings having one nitrogen atom as the only ring hetero atom, according to more than one of groups C07D 203/00-C07D 225/00 [2, 2006.01] Note(s) [3]
223/00	Heterocyclic compounds containing seven-membered rings having one nitrogen atom as the only ring hetero atom [2, 2006.01]		Polymethyleneimines with at least five ring members and having only hydrogen atoms attached to the ring carbon atoms are classified in group C07D 295/00.
	Note(s) [2]	227/02	 with only hydrogen or carbon atoms directly attached to the ring nitrogen atom [2, 2006.01]
	Hexamethylene imines or 3-azabicyclo [3.2.2] nonanes, having only hydrogen atoms attached to the ring carbon atoms, are classified in group C07D 295/00.	227/04	 with only hydrogen atoms, hydrocarbon or substituted hydrocarbon radicals, attached to ring carbon atoms [2, 2006.01]
223/02 223/04	 not condensed with other rings [2, 2006.01] with only hydrogen atoms, halogen atoms, hydrocarbon or substituted hydrocarbon radicals, directly attached to ring carbon atoms [2, 2006.01] 	227/06	 with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to ring carbon atoms [2, 2006.01]
223/06	 with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to ring carbon atoms (halogen 	227/08 227/087 227/093	 Oxygen atoms [2, 2006.01] One doubly-bound oxygen atom in position 2, e.g. lactams [3, 2006.01] Two doubly-bound oxygen atoms attached to
223/08 223/10	atoms C07D 223/04) [2, 2006.01] • • • Oxygen atoms [2, 2006.01] • • • attached in position 2 [2, 2006.01]		the carbon atoms adjacent to the ring nitrogen atom, e.g. dicarboxylic acid imides [3, 2006.01]
223/10	Nitrogen atoms not forming part of a nitro	227/10	• • Nitrogen atoms not forming part of a nitro radical [2, 2006.01]
223/14	radical [2, 2006.01] condensed with carbocyclic rings or ring systems [2, 2006.01]	227/12	 with hetero atoms directly attached to the ring nitrogen atom [2, 2006.01]
223/16	• • Benzazepines; Hydrogenated benzazepines [2, 2006.01]	229/00	Heterocyclic compounds containing rings of less than
223/18	 Dibenzazepines; Hydrogenated dibenzazepines [2, 2006.01] 	220 /02	five members having two nitrogen atoms as the only ring hetero atoms [2, 2006.01]
223/20	• • Dibenz [b, e] azepines; Hydrogenated dibenz	229/02	• containing three-membered rings [3, 2006.01]
223/22	 [b, e] azepines [2, 2006.01] • • Dibenz [b, f] azepines; Hydrogenated dibenz 	231/00	Heterocyclic compounds containing 1,2-diazole or hydrogenated 1,2-diazole rings [2, 2006.01]
223/24	 [b, f] azepines [2, 2006.01] • • • with hydrocarbon radicals, substituted by nitrogen atoms, attached to the ring nitrogen 	231/02 231/04	 not condensed with other rings [2, 2006.01] having no double bonds between ring members or between ring members and non-ring
223/26	atom [2, 2006.01] • • • • having a double bond between positions 10 and 11 [2, 2006.01]	231/06	 members [2, 2006.01] having one double bond between ring members or between a ring member and a non-ring
223/28	• • • • having a single bond between positions 10 and 11 [2, 2006.01]	221/00	member [2, 2006.01]
223/30	• • • with hetero atoms directly attached to the	231/08	• • with oxygen or sulfur atoms directly attached to ring carbon atoms [2, 2006.01]
223/32	ring nitrogen atom [2, 2006.01] • containing carbocyclic rings other than sixmembered [2, 2006.01]	231/10	 having two or three double bonds between ring members or between ring members and non-ring members [2, 2006.01]
225/00	Heterocyclic compounds containing rings of more than seven members having one nitrogen atom as the only ring hetero atom [2, 2006.01]	231/12	 with only hydrogen atoms, hydrocarbon or substituted hydrocarbon radicals, directly attached to ring carbon atoms [2, 2006.01] with hetero atoms or with carbon atoms having
	Note(s) [3]		three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile
	Polymethyleneimines with at least five ring members and having only hydrogen atoms attached to the ring carbon atoms are classified in group C07D 295/00.	221/16	radicals, directly attached to ring carbon atoms [2, 2006.01]
225/02	• not condensed with other rings [2, 2006.01]	231/16 231/18	Halogen atoms or nitro radicals [2, 2006.01]One oxygen or sulfur atom [2, 2006.01]
225/04	 condensed with carbocyclic rings or ring systems [2, 2006.01] 	231/20	• • • • One oxygen atom attached in position 3 or 5 [2, 2006.01]
225/06	 condensed with one six-membered ring [2, 2006.01] 	231/22	• • • • • with aryl radicals attached to ring nitrogen atoms [2, 2006.01]
225/08	• • condensed with two six-membered rings [2, 2006.01]	231/24	 having sulfone or sulfonic acid radicals in the molecule [2, 2006.01]

231/26	• • • • • • 1-Phenyl-3-methyl-5- pyrazolones, unsubstituted or substituted on the	233/24 • • • Radicals substituted by nitrogen atoms not forming part of a nitro radical [2, 2006.01]
	phenyl ring [2, 2006.01]	233/26 • • • Radicals substituted by carbon atoms having
231/28	• • • • Two oxygen or sulfur atoms [2, 2006.01]	three bonds to hetero atoms [2, 2006.01]
231/30	• • • • attached in position 3 and 5 [2, 2006.01]	233/28 • with hetero atoms or with carbon atoms having
231/32	• • • • • • Oxygen atoms [2, 2006.01]	three bonds to hetero atoms with at the most one
231/34	• • • • • with only hydrogen atoms or	bond to halogen, e.g. ester or nitrile radicals,
	radicals containing only hydrogen	directly attached to ring carbon atoms [2, 2006.01]
	and carbon atoms, attached in	233/30 • • • Oxygen or sulfur atoms [2, 2006.01]
004/00	position 4 [2, 2006.01]	233/32 • • • • One oxygen atom [2, 2006.01]
231/36	• • • • • with hydrocarbon radicals,	233/34 • • • • Ethylene-urea [2, 2006.01]
	substituted by hetero atoms, attached in position 4 [2, 2006.01]	233/36 • • • • with hydrocarbon radicals, substituted by
231/38	• • • • Nitrogen atoms (nitro radicals	nitrogen atoms, attached to ring nitrogen atoms [2, 2006.01]
231/30	C07D 231/16) [2, 2006.01]	233/38 • • • • with acyl radicals or hetero atoms directly
231/40	• • • • Acylated on said nitrogen	attached to ring nitrogen
251740	atom [2, 2006.01]	atoms [2, 2006.01]
231/42	• • • Benzene-sulfonamido	233/40 • • • • Two or more oxygen atoms [2, 2006.01]
	pyrazoles [2, 2006.01]	233/42 • • • • Sulfur atoms [2, 2006.01]
231/44	Oxygen and nitrogen or sulfur and nitrogen	233/44 • • • Nitrogen atoms not forming part of a nitro
	atoms [2, 2006.01]	radical [2, 2006.01]
231/46	• • • • • Oxygen atom in position 3 or 5 and	233/46 • • • with only hydrogen atoms attached to said
771 / 40	nitrogen atom in position 4 [2, 2006.01] • • • • • with hydrocarbon radicals attached to	nitrogen atoms [2, 2006.01]
231/48	said nitrogen atom [2, 2006.01]	233/48 • • • with acyclic hydrocarbon or substituted
231/50	• • • • • • Acylated on said nitrogen	acyclic hydrocarbon radicals, attached to said nitrogen atoms [2, 2006.01]
231/30	atom [2, 2006.01]	233/50 • • • with carbocyclic radicals directly attached to
231/52	• • • • • Oxygen atom in position 3 and nitrogen	said nitrogen atoms [2, 2006.01]
231/32	atom in position 5, or vice-	233/52 • • • with hetero atoms directly attached to said
	versa [2, 2006.01]	nitrogen atoms [2, 2006.01]
231/54	condensed with carbocyclic rings or ring	233/54 • having two double bonds between ring members or
	systems [2, 2006.01]	between ring members and non-ring
231/56	Benzopyrazoles; Hydrogenated	members [2, 2006.01]
	benzopyrazoles [2, 2006.01]	233/56 • • with only hydrogen atoms or radicals containing
222/22	"	only hydrogen and carbon atoms, attached to ring
233/00	Heterocyclic compounds containing 1,3-diazole or	carbon atoms [2, 2006.01]
	hydrogenated 1,3-diazole rings, not condensed with	233/58 • • • with only hydrogen atoms or radicals
222/02	other rings [2, 2006.01]	containing only hydrogen and carbon atoms,
233/02	 having no double bonds between ring members or between ring members and non-ring 	attached to ring nitrogen atoms [2, 2006.01]
	members [2, 2006.01]	233/60 • • • with hydrocarbon radicals, substituted by
233/04	having one double bond between ring members or	oxygen or sulfur atoms, attached to ring
20070.	between a ring member and a non-ring	nitrogen atoms [2, 2006.01]
	member [2, 2006.01]	233/61 • • • with hydrocarbon radicals, substituted by nitrogen atoms not forming part of a nitro
233/06	 with only hydrogen atoms or radicals containing 	radical, attached to ring nitrogen
	only hydrogen and carbon atoms, directly attached	atoms [3, 2006.01]
	to ring carbon atoms [2, 2006.01]	233/62 • • • with triarylmethyl radicals attached to ring
233/08	• • • with alkyl radicals, containing more than four	nitrogen atoms [2, 2006.01]
	carbon atoms, directly attached to ring carbon	233/64 • • with substituted hydrocarbon radicals attached to
000 / : -	atoms [2, 2006.01]	ring carbon atoms, e.g. histidine [2, 2006.01]
233/10	• • • with only hydrogen atoms or radicals	233/66 • • with hetero atoms or with carbon atoms having
	containing only hydrogen and carbon atoms, directly attached to ring nitrogen	three bonds to hetero atoms with at the most one
	atoms [2, 2006.01]	bond to halogen, e.g. ester or nitrile radicals,
233/12	• • • with substituted hydrocarbon radicals	directly attached to ring carbon atoms [2, 2006.01]
22 / دد2	attached to ring nitrogen atoms [2, 2006.01]	233/68 • • • Halogen atoms [2, 2006.01]
233/14	Radicals substituted by oxygen	233/70 • • • One oxygen atom [2, 2006.01]
200/17	atoms [2, 2006.01]	233/72 • • • Two oxygen atoms, e.g. hydantoin [2, 2006.01]
233/16	Radicals substituted by nitrogen	233/74 • • • with only hydrogen atoms or radicals
- 31 - 3	atoms [2, 2006.01]	containing only hydrogen and carbon atoms,
222/40	Radicals substituted by carbon atoms	attached to other ring members [2, 2006.01]
233/18		233/76 • • • with substituted hydrocarbon radicals
233/18	having three bonds to hetero atoms with	
233/18	at the most one bond to halogen, e.g. ester	attached to the third ring carbon
	at the most one bond to halogen, e.g. ester or nitrile radicals [2, 2006.01]	atom [2, 2006.01]
233/18	at the most one bond to halogen, e.g. ester or nitrile radicals [2, 2006.01] • with substituted hydrocarbon radicals, directly	atom [2, 2006.01] 233/78 • • • • Radicals substituted by oxygen
233/20	at the most one bond to halogen, e.g. ester or nitrile radicals [2, 2006.01] • with substituted hydrocarbon radicals, directly attached to ring carbon atoms [2, 2006.01]	atom [2, 2006.01] 233/78 • • • • • Radicals substituted by oxygen atoms [2, 2006.01]
	at the most one bond to halogen, e.g. ester or nitrile radicals [2, 2006.01] • with substituted hydrocarbon radicals, directly attached to ring carbon atoms [2, 2006.01] • Radicals substituted by oxygen	atom [2, 2006.01] 233/78 • • • • Radicals substituted by oxygen atoms [2, 2006.01] 233/80 • • • with hetero atoms or acyl radicals directly
233/20	at the most one bond to halogen, e.g. ester or nitrile radicals [2, 2006.01] • with substituted hydrocarbon radicals, directly attached to ring carbon atoms [2, 2006.01]	atom [2, 2006.01] 233/78 • • • • • Radicals substituted by oxygen atoms [2, 2006.01]

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233/82	• • • • Halogen atoms [2, 2006.01]	237/00	Heterocyclic compounds containing 1,2-diazine or
233/84	• • • Sulfur atoms [2, 2006.01]	227/02	hydrogenated 1,2-diazine rings [2, 2006.01]
233/86	• • • Oxygen and sulfur atoms, e.g.	237/02	• not condensed with other rings [2, 2006.01]
222/00	thiohydantoin [2, 2006.01]	237/04	having less than three double bonds between ring members or between ring members and non ring
233/88	• • • Nitrogen atoms, e.g. allantoin [2, 2006.01]		members or between ring members and non-ring members [2, 2006.01]
233/90	Carbon atoms having three bonds to hetero atoms with at the most one bond to helogen.	237/06	having three double bonds between ring members
	atoms with at the most one bond to halogen, e.g. ester or nitrile radicals [2, 2006.01]	237700	or between ring members and non-ring
233/91	• • • Nitro radicals [2, 2006.01]		members [2, 2006.01]
233/92	• • • • attached in position 4 or 5 [2, 2006.01]	237/08	• • with only hydrogen atoms, hydrocarbon or
233/93	• • • • • with hydrocarbon radicals, substituted by		substituted hydrocarbon radicals, directly
233733	halogen atoms, attached to other ring		attached to ring carbon atoms [2, 2006.01]
	members [2, 2006.01]	237/10	 • with hetero atoms or with carbon atoms having
233/94	• • • • with hydrocarbon radicals, substituted by		three bonds to hetero atoms with at the most
	oxygen or sulfur atoms, attached to other		one bond to halogen, e.g. ester or nitrile radicals, directly attached to ring carbon
	ring members [2, 2006.01]		atoms [2, 2006.01]
233/95	• • • • with hydrocarbon radicals, substituted by	237/12	 Halogen atoms or nitro radicals [2, 2006.01]
	nitrogen atoms, attached to other ring	237/14	• • • • Oxygen atoms [2, 2006.01]
222/06	members [2, 2006.01]	237/16	• • • • • Two oxygen atoms [2, 2006.01]
233/96	 having three double bonds between ring members or between ring members and non-ring 	237/18	• • • • Sulfur atoms [2, 2006.01]
	members [2, 2006.01]	237/20	• • • Nitrogen atoms (nitro radicals
	members [2, 2000.01]	237720	C07D 237/12) [2, 2006.01]
235/00	Heterocyclic compounds containing 1,3-diazole or	237/22	• • • • Nitrogen and oxygen atoms [2, 2006.01]
	hydrogenated 1,3-diazole rings, condensed with other	237/24	• • • Carbon atoms having three bonds to hetero
	rings [2, 2006.01]		atoms with at the most one bond to
235/02	condensed with carbocyclic rings or ring		halogen [2, 2006.01]
225 /04	systems [2, 2006.01]	237/26	 condensed with carbocyclic rings or ring
235/04	 Benzimidazoles; Hydrogenated benzimidazoles [2, 2006.01] 		systems [2, 2006.01]
235/06	• • with only hydrogen atoms, hydrocarbon or	237/28	• • Cinnolines [2, 2006.01]
233700	substituted hydrocarbon radicals, directly	237/30	• • Phthalazines [2, 2006.01]
	attached in position 2 [2, 2006.01]	237/32	• • • with oxygen atoms directly attached to carbon
235/08	Radicals containing only hydrogen and		atoms of the nitrogen-containing
	carbon atoms [2, 2006.01]	237/34	ring [2, 2006.01] • • with nitrogen atoms directly attached to carbon
235/10	 Radicals substituted by halogen atoms or 	237/34	atoms of the nitrogen-containing ring, e.g.
	nitro radicals [2, 2006.01]		hydrazine radicals [2, 2006.01]
235/12	Radicals substituted by oxygen	237/36	• • Benzo-cinnolines [2, 2006.01]
005/44	atoms [2, 2006.01]		
235/14	• • • Radicals substituted by nitrogen atoms (by nitro radicals C07D 235/10) [2, 2006.01]	239/00	Heterocyclic compounds containing 1,3-diazine or
235/16	• • • • Radicals substituted by carbon atoms having	220 /02	hydrogenated 1,3-diazine rings [2, 2006.01]
233/10	three bonds to hetero atoms with at the most	239/02	• not condensed with other rings [2, 2006.01]
	one bond to halogen, e.g. ester or nitrile	239/04	 having no double bonds between ring members or between ring members and non-ring
	radicals [2, 2006.01]		members [2, 2006.01]
235/18	 • with aryl radicals directly attached in position 	239/06	 having one double bond between ring members or
	2 [2, 2006.01]		between a ring member and a non-ring
235/20	 • • Two benzimidazolyl-2 radicals linked together 		member [2, 2006.01]
	directly or <u>via</u> a hydrocarbon or substituted	239/08	 • with hetero atoms directly attached in position
005 /00	hydrocarbon radical [2, 2006.01]		2 [2, 2006.01]
235/22	 • with hetero atoms directly attached to ring nitrogen atoms (C07D 235/10 takes 	239/10	• • • • Oxygen or sulfur atoms [2, 2006.01]
	precedence) [2, 2006.01]	239/12	• • • Nitrogen atoms not forming part of a nitro
235/24	• • • with hetero atoms or with carbon atoms having		radical [2, 2006.01]
255721	three bonds to hetero atoms with at the most	239/14	• • • • with only hydrogen atoms, hydrocarbon
	one bond to halogen, e.g. ester or nitrile		or substituted hydrocarbon radicals, attached to said nitrogen
	radicals, directly attached in position		atoms [2, 2006.01]
	2 [2, 2006.01]	239/16	• • • acylated on said nitrogen
235/26	• • • • Oxygen atoms [2, 2006.01]	/ 10	atoms [2, 2006.01]
235/28	• • • Sulfur atoms [2, 2006.01]	239/18	• • • • with hetero atoms attached to said
235/30	• • • Nitrogen atoms not forming part of a nitro		nitrogen atoms, except nitro radicals, e.g.
))F/))	radical [2, 2006.01]		hydrazine radicals [2, 2006.01]
235/32	• • • • Benzimidazole-2-carbamic acids, unsubstituted or substituted; Esters	239/20	having two double bonds between ring members
	thereof; Thio-analogues		or between ring members and non-ring members [2, 2006.01]
	thereof [2, 2006.01]	239/22	 • • with hetero atoms directly attached to ring
		Z33/ ZZ	carbon atoms [2, 2006.01]
			carbon atomo [=, =vvv.v1]

239/24	•	•							bonds between ring		9/72	•				azolines; Hydrogenated
									embers and non-ring		- · - ·			-		zolines [2, 2006.01]
220 /20								06.01]	. 1. 1 1	23	9/74	•	•			th only hydrogen atoms, hydrocarbon or
239/26	•	•	•						s, hydrocarbon or							ostituted hydrocarbon radicals, attached to
									adicals, directly oms [2, 2006.01]							g carbon atoms of the hetero g [2, 2006.01]
220/20			_					-		~ 22	0./70					
239/28	•	•	•						carbon atoms having the most carbon at the most	-	9/76	•				N-oxides [2, 2006.01]
									ctly attached to ring	23	9/78	•	•			th hetero atoms directly attached in position
								[2, 2006.01]		22	0.400					2, 2006.01]
239/30				•					radicals [2, 2006.0 :		9/80	•	•			Oxygen atoms [2, 2006.01]
239/32										23	9/82	•	•	•	•	• with an aryl radical attached in position
233/32	٠	٠	٠	٠				en, sulfur or 1 006.01]	introgen							4 [2, 2006.01]
239/34	_		_	_					2006 011		9/84	•				Nitrogen atoms [2, 2006.01]
	•	•	•	•				ygen atom [2		23	9/86	•	•			th hetero atoms directly attached in position
239/36	٠	٠	٠	٠	•			ibstituted hyd	oxygen atom or as							2, 2006.01]
								cal [2, 2006.0			9/88	•				Oxygen atoms [2, 2006.01]
239/38								lfur atom [2,		23	9/90	•	•	•	•	• with acyclic radicals attached in position
239/40									sulfur atom or as							2 or 3 [2, 2006.01]
233/40	•	·	Ĭ	Ī	·			ibstituted me		23	9/91	•	•	•	•	
								cal [2, 2006.0	•							position 2 or 3 [2, 2006.01]
239/42									nitro radicals	23	9/92	•	•	•	•	• with hetero atoms directly attached to
2551 42								239/30) [2, 2 (nitrogen atoms of the hetero
239/46					т				ulfur or nitrogen	22	0.400					ring [2, 2006.01]
2557 40								2006.01]	difful of illulogen		9/93	•	•			Sulfur atoms [2, 2006.01]
239/47					•				and one oxygen or		9/94	•				Nitrogen atoms [2, 2006.01]
2557 47									osine [3, 2006.01]	23	9/95	•	•			th hetero atoms directly attached in positions
239/48									[2, 2006.01]							and 4 [2, 2006.01]
239/49								-	dical, or substituted	23	9/96	•	•	•	•	Two oxygen atoms [2, 2006.01]
2007 40									ttached in position 5		1/00	Цa	tor		veli	ic compounds containing 1,4-diazine or
									[3, 2006.01]	, 24						ted 1,4-diazine rings [2, 2006.01]
239/50									is [2, 2006.01]		,	шу.	uit	, 5 C	1141	ttu 1,4-uiuziitt 1111g3 [2, 2000.01]
					•	INF			[-,]							
239/52	•							vgen atoms l	[2, 2006.01]			No	te((s)	[2]	
239/52 239/54	•	•	•	•	•	Two	о ох	ygen atoms								
239/52 239/54	•	•	•	•	•	Two	o ox as de	oubly bound	oxygen atoms or as			Pip	er	aziı	nes	s with only hydrogen atoms directly attached
	•	•	•	•	•	Two	o ox as de unsu	oubly bound oubstituted hyd	oxygen atoms or as lroxy			Pip	oer rin	aziı g c	nes arb	s with only hydrogen atoms directly attached oon atoms are classified in group
239/54	•	•	•	•	•	Two	o ox as de ansu adie	oubly bound abstituted hyocals [2, 2006.	oxygen atoms or as lroxy .01]	24		Pip to C0	per rin 97E	azii g ca	nes arb 95/0	s with only hydrogen atoms directly attached oon atoms are classified in group
	•	•	•	•	•	Two	o ox as de ansu adie	oubly bound abstituted hydrals [2, 2006. with other hete	oxygen atoms or as lroxy		1/02	Pip to C0	per rin 17D not	azii g ca) 29	nes arb 95/0	s with only hydrogen atoms directly attached on atoms are classified in group 00.
239/54	•	•	•	•	•	Two	o ox as de ansu radie w C	oubly bound abstituted hydrals [2, 2006. with other heter arbon atoms]	oxygen atoms or as lroxy .01] ero atoms or with		1/02	Pip to C0	per rin 17E not	azii g ca) 29 i co hav	nes arb 95/0 ond ving	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01]
239/54	•	•		•	•	Two	o ox as de insu radie w c h b	oubly bound abstituted hydrals [2, 2006. with other hete arbon atoms weetero atoms wond to haloge	oxygen atoms or as droxy [01] ero atoms or with having three bonds with at the most one en, directly attached		1/02	Pip to C0	per rin)7E not	azii g ca) 29 t co hav bet me	nes arb 95/0 ond ving we mb	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or een ring members and non-ring pers [2, 2006.01]
239/54	•	•	•	•	•	Two	o ox as de insu radie w c h b	oubly bound abstituted hydrals [2, 2006. with other hete arbon atoms weetero atoms wond to haloge	oxygen atoms or as droxy [01] ero atoms or with having three bonds with at the most one	24	1/02	Pip to C0	per rin 17E not	azii g ca l co hav bet me hav	nes arb 95/0 ond ving we mb	s with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or the ring members and non-ring the pers [2, 2006.01] g one or two double bonds between ring
239/54	•	•			•	Two	o ox as de insu radie w c h b	oubly bound abstituted hydrals [2, 2006. with other hete arbon atoms very ond to halogo pring carbon with halogo with halogo pring carbon with hal	oxygen atoms or as droxy [10] [10] [10] [11] [11] [12] [13] [14] [15] [15] [16] [16] [16] [17] [17] [18] [18] [18] [18] [18] [18] [18] [18	24	1/02 ·	Pip to C0	per rin 17E not •	azii g ca) 29 t co hav bet me hav me	nes arb 95/0 ond ving we omb ving mb	s with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or een ring members and non-ring oers [2, 2006.01] g one or two double bonds between ring oers or between ring members and non-ring
239/54 239/545	•			•	•	Two	o ox as de insu radie w c h b	boubly bound abstituted hydrals [2, 2006. with other hete arbon atoms very bond to haloge oring carbon with haloge radicals dir	oxygen atoms or as droxy [01] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rin	24	1/02 ·	Pip to C0	per rin 17E not •	azii g ca) 29 t co hav bet me hav me	nes arb 95/0 ond ving we omb ving mb	s with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or the ring members and non-ring the pers [2, 2006.01] g one or two double bonds between ring
239/54 239/545	•			•	•	Two	o ox as de insu radie w c h b	oubly bound abstituted hydrals [2, 2006. with other hete arbon atoms very ond to haloge oring carbon with haloge radicals direcarbon atom atom atom atom or the haloge radicals direcarbon atom atom atom atom atom atom atom atom	oxygen atoms or as droxy [01] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rinns, e.g.	24 g	1/02 ·	Pip to C00	per rin 17E not •	azii g co) 29 t co hav bet me hav me	nes arb 95/0 ond ving we mb mb	s with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or ten ring members and non-ring ters [2, 2006.01] g one or two double bonds between ring ters or between ring members and non-ring ters [2, 2006.01] th oxygen atoms directly attached to ring
239/545 239/553	•	•		•	•	Two	o ox as de insu radie w c h b	oubly bound abstituted hydrals [2, 2006. with other hete arbon atoms very ond to haloge oring carbon with haloge radicals direcarbon atom fluorouraci	oxygen atoms or as droxy [.01] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rinns, e.g. [5, 2006.01]	24 24 g 24	1/02 1/04 1/06	Pip to C00	oer rin 07E not •	azii g co) 29 t co hav bet me hav me	nes arb 95/0 ond ving we mb ving mb mb wit car	s with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or een ring members and non-ring eers [2, 2006.01] g one or two double bonds between ring eers or between ring members and non-ring eers [2, 2006.01] th oxygen atoms directly attached to ring ebon atoms [2, 2006.01]
239/54 239/545	•	•			•	Two	o ox as de insu radie w c h b	oubly bound abstituted hydrals [2, 2006. with other hete arbon atoms better oatoms wond to halogo ring carbon with halogo radicals direcarbon atom fluorouracii with carbon	oxygen atoms or as droxy [.01] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rin ns, e.g. [15, 2006.01] In atoms having three	24 24 24 24 24 24 24 24 24 24 24 24 24 2	1/02 1/04 1/06	Pip to C00	per rin 07E not •	azii g co 29 t co hav bet me hav me hav	nes arb 95/0 ond ving whe wing mb wit car	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or een ring members and non-ring or [2, 2006.01] g one or two double bonds between ring pers or between ring members and non-ring or [2, 2006.01] th oxygen atoms directly attached to ring thon atoms [2, 2006.01] g three double bonds between ring members
239/545 239/553	•			•	•	Two	o ox as de insu radie w c h b	boubly bound abstituted hydrals [2, 2006. Fig. 2006] with other heter arbon atoms would be arbon atoms or ring carbon with haloge radicals direcarbon atom fluorouraci with carbon bonds to he	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rinns, e.g. [15, 2006.01] en atoms having three etero atoms with at the control of the control	24 24 24 24 24 24 24 24 24 24 24 24 24 2	1/02 · · · · · · · · · · · · · · · · · · ·	Pip to C00	oer rin 07E not	aziii g co 29 t co hav bet me hav me hav or l	nes arb 95/0 ond ving wing mb wing wit car ving bet	s with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or zen ring members and non-ring zers [2, 2006.01] g one or two double bonds between ring zers or between ring members and non-ring zers [2, 2006.01] th oxygen atoms directly attached to ring zero atoms [2, 2006.01] g three double bonds between ring members ween ring members and non-ring
239/545 239/553	•			•	•	Two	o ox as de insu radie w c h b	oubly bound abstituted hydrals [2, 2006. with other hete arbon atoms better oatoms wond to halogo ring carbon with halogo radicals direcarbon atom fluorouraci with carbor bonds to he most one bo	oxygen atoms or as droxy [.01] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rinns, e.g. [15, 2006.01] In atoms having three etero atoms with at the tond to halogen,	24 24 24 24	1/02 1/04 1/04 1/06 1/08 1/108 1/10	Pip to C00	oer rin 07E not	aziii g ca D 29 Co hav bet me hav me hav or l	nes arb 95/9 ond ving wing mb wit car ving bet	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or een ring members and non-ring or [2, 2006.01] g one or two double bonds between ring or between ring members and non-ring or [2, 2006.01] th oxygen atoms directly attached to ring or thousand the original or [2, 2006.01] g three double bonds between ring members ween ring members and non-ring or [2, 2006.01]
239/545 239/553	•	• • • • • • • • • • • • • • • • • • • •	•		•	Two	o ox as de insu radie w c h b	oubly bound abstituted hydrals [2, 2006. with other hete arbon atoms better oatoms with haloge radicals direcarbon atom fluorouraci with carbor bonds to he most one bedirectly atta	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rin ms, e.g. [15, 2006.01] In atoms having three etero atoms with at the tond to halogen, ached to ring carbon	24 24 24 24	1/02 1/04 1/06 1/08 1/10	Pip to C00	oerin 17E not •	aziii g ca) 29 t co hav bet me hav me • hav or l	nes arb 95/0 ond ving we wit omb wit car ving bet mb	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or een ring members and non-ring or [2, 2006.01] g one or two double bonds between ring or between ring members and non-ring or [2, 2006.01] th oxygen atoms directly attached to ring obon atoms [2, 2006.01] g three double bonds between ring members ween ring members and non-ring or [2, 2006.01] th only hydrogen atoms, hydrocarbon or
239/545 239/553	•	• • • • • • • • • • • • • • • • • • • •	•	•	•	Two	o ox as de insu radie w c h b	oubly bound abstituted hydrals [2, 2006. with other hete arbon atoms better atoms wond to halogo ring carbon with halogoradicals direction atom fluorouraci with carbon bonds to he most one be directly attatatoms, e.g.	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rinns, e.g. [15, 2006.01] en atoms having three etero atoms with at the etero atoms with at the ond to halogen, eached to ring carbon orotic	24 24 24 24	1/02 1/04 1/04 1/06 1/08 1/108 1/10	Pi _I to C0	oerin 17E not •	aziii g ca D 29 co hav bet me hav me hav or l	nes arb 95/0 ond ving wit mb wit car ving bet mb	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or een ring members and non-ring or [2, 2006.01] g one or two double bonds between ring or between ring members and non-ring or [2, 2006.01] th oxygen atoms directly attached to ring obon atoms [2, 2006.01] g three double bonds between ring members ween ring members and non-ring or [2, 2006.01] th only hydrogen atoms, hydrocarbon or ostituted hydrocarbon radicals, directly
239/545 239/553 239/557	•	• • • • • • • • • • • • • • • • • • • •	• • • • •	•	•	Two	o ox	oubly bound abstituted hydrals [2, 2006. with other hete arbon atoms bettero atoms with haloge radicals direction atom fluorouracii with carbon bonds to he most one be directly attatoms, e.g. acid [5, 200]	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to ring ins, e.g. [15, 2006.01] in atoms having three etero atoms with at the ond to halogen, ached to ring carbon orotic [106.01]	24 24 24 24	1/02 1/04 1/06 1/08 1/10 1/12 1/12	Pi _I to C0	oerin 17E not •	azing co 0 25 1 co have bet me have me have or l	nes arb 95/0 ond ving wing mb wing bet omb witt atta	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or een ring members and non-ring oers [2, 2006.01] g one or two double bonds between ring pers or between ring members and non-ring oers [2, 2006.01] th oxygen atoms directly attached to ring obton atoms [2, 2006.01] g three double bonds between ring members ween ring members and non-ring oers [2, 2006.01] th only hydrogen atoms, hydrocarbon or ostituted hydrocarbon radicals, directly ached to ring carbon atoms [2, 2006.01]
239/545 239/553	•				•	Two	o oxas de ansu cadie	oubly bound abstituted hydrals [2, 2006. Fig. 2006. Fig	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rinns, e.g. [15, 2006.01] en atoms having three etero atoms with at the etero atoms with at the ond to halogen, eached to ring carbon orotic	24 24 24 24	1/02 1/04 1/04 1/06 1/08 1/108 1/10	Pi _I to C0	oerin 17E not •	azing co) 25 t co have bet me have me or l me	nes arb 95/0 ond ving we mb with car ving bett atta wit	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or een ring members and non-ring or [2, 2006.01] g one or two double bonds between ring pers or between ring members and non-ring or [2, 2006.01] th oxygen atoms directly attached to ring or thou atoms [2, 2006.01] g three double bonds between ring members are ring members and non-ring or [2, 2006.01] th only hydrogen atoms, hydrocarbon or ostituted hydrocarbon radicals, directly ached to ring carbon atoms [2, 2006.01] th hetero atoms or with carbon atoms having
239/545 239/553 239/557 239/56	•	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		•	Two	o oxas do ansi cadio cad	oubly bound abstituted hydrals [2, 2006.vith other hete arbon atoms bettero atoms with haloge radicals direction atom fluorouracii with carbon bonds to he most one bedirectly attatoms, e.g. acid [5, 200 ygen atom at 2, 2006.01]	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to ring ins, e.g. [15, 2006.01] in atoms having three etero atoms with at the ond to halogen, ached to ring carbon orotic [16.01] ind one sulfur	24 24 24 24	1/02 1/04 1/06 1/08 1/10 1/12 1/12	Pi _I to C0	oerin 17E not •	azing co 0 29 1 co have bet me have me •	nes arb 95/0 ond ving wing bet wit atta wit	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or een ring members and non-ring oers [2, 2006.01] g one or two double bonds between ring oers or between ring members and non-ring oers [2, 2006.01] th oxygen atoms directly attached to ring oborn atoms [2, 2006.01] g three double bonds between ring members ween ring members and non-ring oers [2, 2006.01] th only hydrogen atoms, hydrocarbon or ostituted hydrocarbon radicals, directly ached to ring carbon atoms [2, 2006.01] th hetero atoms or with carbon atoms having ee bonds to hetero atoms with at the most
239/545 239/553 239/557 239/56 239/58	•	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		•	One ator	o oxas do ansu cadio cad	oubly bound abstituted hydrals [2, 2006.vith other hete arbon atoms better oatoms wond to halogo oring carbon with halogo radicals direcarbon atom fluorouracii with carbor bonds to he most one bedirectly atta atoms, e.g. acid [5, 200 ygen atom at 2, 2006.01] Ifur atoms [2, 2006.01]	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rin ms, e.g. [1 [5, 2006.01] In atoms having three etero atoms with at the ond to halogen, ached to ring carbon orotic [26.01] Ind one sulfur [2, 2006.01]	24 24 24 24	1/02 1/04 1/06 1/08 1/10 1/12 1/12	Pi _I to C0	oerin 17E not •	azing co 0 29 co have bet me have me have or l	nes arb 95/0 ving wing wing bet witt sub atta witt one	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or een ring members and non-ring oers [2, 2006.01] g one or two double bonds between ring oers or between ring members and non-ring oers [2, 2006.01] th oxygen atoms directly attached to ring oborn atoms [2, 2006.01] g three double bonds between ring members ween ring members and non-ring oers [2, 2006.01] th only hydrogen atoms, hydrocarbon or ostituted hydrocarbon radicals, directly ached to ring carbon atoms [2, 2006.01] th hetero atoms or with carbon atoms having ee bonds to hetero atoms with at the most ee bond to halogen, e.g. ester or nitrile
239/545 239/553 239/557 239/56	•	• • • • • • • • • • • • • • • • • • • •		•	•	One ator	o oxional control oxional cont	oubly bound abstituted hydrals [2, 2006. 201] Ifur atoms [2] armore oxygen more oxygen atom oxygen more oxygen more oxygen atom oxygen atom oxygen more oxygen atom oxygen atom oxygen more oxygen atom oxygen oxygen atom oxygen oxygen oxygen atom oxygen oxygen atom oxygen oxyge	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rin ms, e.g. [1 [5, 2006.01] In atoms having three etero atoms with at the ond to halogen, ached to ring carbon orotic [26.01] Ind one sulfur [2, 2006.01]	24 24 24 24	1/02 1/04 1/06 1/08 1/10 1/12 1/12	Pi _I to C0	oerin 17E not •	azii g co) 29 i co hav bet me hav me or l me	nes arb 95/0 ond ving we mb wit car ving bet sub atta wit thre	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or een ring members and non-ring oers [2, 2006.01] g one or two double bonds between ring oers or between ring members and non-ring oers [2, 2006.01] th oxygen atoms directly attached to ring oers [2, 2006.01] g three double bonds between ring members ween ring members and non-ring oers [2, 2006.01] th only hydrogen atoms, hydrocarbon or ostituted hydrocarbon radicals, directly ached to ring carbon atoms [2, 2006.01] th hetero atoms or with carbon atoms having ee bonds to hetero atoms with at the most e bond to halogen, e.g. ester or nitrile licals, directly attached to ring carbon
239/545 239/553 239/557 239/56 239/58 239/60	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		•	One ator Thrator	o oxional control oxional cont	oubly bound abstituted hydrals [2, 2006.01] cals [2, 2006.01] cals [2, 2006.01] cals [2, 2006.01] cals [2, 2006.01]	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rin ms, e.g. [1 [5, 2006.01] en atoms having three etero atoms with at the ond to halogen, eached to ring carbon orotic [106.01] end one sulfur [1, 2006.01] en or sulfur	24 gg 24 e 24 e 24	1/02 1/04 1/04 1/06 1/08 1/10 1/12 1/14 1/14	Pi _I to C0	oerin 17E not •	azii g Co l co hav bet me hav me or l me	nes arb 95/0 ond ving wing bet ving bet wit sub sub thre one ato	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or een ring members and non-ring oers [2, 2006.01] g one or two double bonds between ring oers or between ring members and non-ring oers [2, 2006.01] th oxygen atoms directly attached to ring oben atoms [2, 2006.01] g three double bonds between ring members ween ring members and non-ring oers [2, 2006.01] th only hydrogen atoms, hydrocarbon or ostituted hydrocarbon radicals, directly ached to ring carbon atoms [2, 2006.01] th hetero atoms or with carbon atoms having ee bonds to hetero atoms with at the most ee bond to halogen, e.g. ester or nitrile dicals, directly attached to ring carbon oms [2, 2006.01]
239/545 239/553 239/557 239/56 239/58 239/60 239/62	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•	One ator Thrator	o ox sas de instradio w ca h b to h to ca h b to se ox m [2 o su mee c ms	oubly bound abstituted hydrals [2, 2006.01] on turic acids [2, 2006.01] or turic acids [2, 2006.01] or more oxyge.	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rin ms, e.g. [1 [5, 2006.01] en atoms having three etero atoms with at the etero atoms with at the etero atoms with at the etero atoms with a the etero atoms with at the etero atoms with atoms with at the etero atoms with at the etero atoms with atoms with atoms with at t	24 24 24 24 24	1/02 1/04 1/06 1/08 1/10 1/12 1/14 1/16 1/16	Pi _I to C0	oerin 17E not •	azii g Co l co hav bet me hav me or l me	nes arb 95/0 ond ving wing bet wit car ving bet atta wit thre one ato	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or een ring members and non-ring oers [2, 2006.01] g one or two double bonds between ring oers or between ring members and non-ring oers [2, 2006.01] th oxygen atoms directly attached to ring oben atoms [2, 2006.01] g three double bonds between ring members ween ring members and non-ring oers [2, 2006.01] th only hydrogen atoms, hydrocarbon or ostituted hydrocarbon radicals, directly ached to ring carbon atoms [2, 2006.01] th hetero atoms or with carbon atoms having one bonds to hetero atoms with at the most of bond to halogen, e.g. ester or nitrile dicals, directly attached to ring carbon oms [2, 2006.01] Halogen atoms; Nitro radicals [2, 2006.01]
239/545 239/553 239/557 239/56 239/58 239/60	• • • • • • • • • • • • • • • • • • • •					One ator Thrator	o ox as de instradio w co h b to v • • e ox m [2 o su ree c ms [] Bart v · S	oubly bound abstituted hydrals [2, 2006. with other heter arbon atoms better arbon atoms or ond to halogo radicals direction atom fluorouracies with carbon atom fluorouracies with carbon bonds to he most one bedirectly attatoms, e.g. acid [5, 200 ygen atom at 2, 2006.01] alter atoms [2, 2006.01] of turic acids [alts of organicals [2]]	oxygen atoms or as droxy [01] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rinns, e.g. [15, 2006.01] atoms having three etero atoms with at the end to halogen, eached to ring carbon orotic [06.01] and one sulfur [2, 2006.01] en or sulfur [2, 2006.01] ic bases; Organic	24 24 24 24 24	1/02 1/04 1/06 1/08 1/10 1/12 1/14 1/16 1/18	Pi _I to C0	oerin 17E not •	aziii g ca 20 20 1 coo hav bet me hav me hav or l me	nessarb 95/0 ond ving wee who ving emb ving emb witt car ving bett mb atta atta ato •	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or een ring members and non-ring oers [2, 2006.01] g one or two double bonds between ring members or between ring members and non-ring oers [2, 2006.01] th oxygen atoms directly attached to ring obton atoms [2, 2006.01] g three double bonds between ring members ween ring members and non-ring oers [2, 2006.01] th only hydrogen atoms, hydrocarbon or obstituted hydrocarbon radicals, directly ached to ring carbon atoms [2, 2006.01] th hetero atoms or with carbon atoms having one bonds to hetero atoms with at the most obton to halogen, e.g. ester or nitrile dicals, directly attached to ring carbon oms [2, 2006.01] Halogen atoms; Nitro radicals [2, 2006.01] Oxygen or sulfur atoms [2, 2006.01]
239/545 239/553 239/557 239/56 239/56 239/60 239/62 239/64	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		One ator	o oxas de cadio ca	oubly bound abstituted hydrals [2, 2006. with other heter arbon atoms better oatoms would be arbon atoms or ing carbon with haloge radicals direction atom fluorouraci with carbon bonds to he most one bedirectly attatoms, e.g. acid [5, 200 ygen atom are 2, 2006.01] Ifur atoms [2, 2006.01] oituric acids [alts of organiouble compo	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rinns, e.g. [15, 2006.01] en atoms having three etero atoms with at the ond to halogen, eched to ring carbon orotic [106.01] en or sulfur [12, 2006.01] en or sulfur [12, 2006.01] ic bases; Organic unds [2, 2006.01]	24 24 24 24 24	1/02 1/04 1/06 1/08 1/10 1/12 1/14 1/16 1/16	Pi _I to C0	oerin 17E not •	aziii g ca 20 20 1 coo hav bet me hav me hav or l me	nes arb 95/0 ond ving web ving mb wit car ving bet atta wit thr one ato •	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or een ring members and non-ring oers [2, 2006.01] g one or two double bonds between ring members or between ring members and non-ring oers [2, 2006.01] th oxygen atoms directly attached to ring obton atoms [2, 2006.01] g three double bonds between ring members ween ring members and non-ring oers [2, 2006.01] th only hydrogen atoms, hydrocarbon or obstituted hydrocarbon radicals, directly ached to ring carbon atoms [2, 2006.01] th hetero atoms or with carbon atoms having one bonds to hetero atoms with at the most obton to halogen, e.g. ester or nitrile dicals, directly attached to ring carbon oms [2, 2006.01] Halogen atoms; Nitro radicals [2, 2006.01] Oxygen or sulfur atoms [2, 2006.01] Nitrogen atoms (nitro radicals
239/545 239/553 239/557 239/56 239/56 239/62 239/64 239/66	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •			One ator Thr ator	o ox as de radio w co h b to v • • e ox m [2 o su ree c ms Barth	oubly bound abstituted hydrals [2, 2006. with other heter arbon atoms bettero atoms with haloge radicals direcarbon atom fluorouraci with carbon bonds to he most one bedirectly attatoms, e.g. acid [5, 200 ygen atom at 2, 2006.01] lfur atoms [2] or more oxyge [2, 2006.01] bituric acids [alts of organiouble compostatiuric ac	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rinns, e.g. [15, 2006.01] en atoms having three etero atoms with at the condition of the halogen, eached to ring carbon orotic [106.01] en or sulfur [11, 2006.01] en or sulfur [12, 2006.01] en or sulfur [12, 2006.01] en done [2, 2006.01] en done [2, 2006.01]	24 24 24 24 24	1/02 1/04 1/06 1/08 1/10 1/12 1/14 1/16 1/18 1/20 1/10	Pi _I to C0	oerin 17E not •	aziii g ca 20 20 1 coo hav bet me hav me hav or l me	nes arb 95/0 ond ving web ving mb wit car ving bet atta wit thr one ato •	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or ten ring members and non-ring or [2, 2006.01] g one or two double bonds between ring or two double bonds between ring or between ring members and non-ring or [2, 2006.01] th oxygen atoms directly attached to ring or thousand the second or two double bonds between ring members ween ring members and non-ring or [2, 2006.01] th oxygen atoms directly attached to ring or settly attached to ring members and non-ring or [2, 2006.01] th only hydrogen atoms, hydrocarbon or obstituted hydrocarbon radicals, directly ached to ring carbon atoms [2, 2006.01] th hetero atoms or with carbon atoms having the bonds to hetero atoms with at the most the bond to halogen, e.g. ester or nitrile dicals, directly attached to ring carbon or [2, 2006.01] Halogen atoms; Nitro radicals [2, 2006.01] Oxygen or sulfur atoms [2, 2006.01] Nitrogen atoms (nitro radicals C07D 241/16) [2, 2006.01]
239/545 239/553 239/557 239/56 239/56 239/60 239/62 239/64	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		•	One ator	o ox	oubly bound abstituted hydrals [2, 2006. with other heter arbon atoms bettero atoms with haloge radicals direcarbon atom fluorouraci with carbon bonds to he most one bedirectly attatoms, e.g. acid [5, 200 ygen atom at 2, 2006.01] lfur atoms [2] or more oxyge [2, 2006.01] oituric acids [alts of organiouble compostation of organious and so organious of organious alts of o	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rinns, e.g. [15, 2006.01] en atoms having three etero atoms with at the cond to halogen, eched to ring carbon orotic [106.01] en or sulfur [12, 2006.01] en or sulfur [14, 2006.01] ic bases; Organic unds [2, 2006.01] ic bases; Organic bases; Organic	24 24 24 24 24	1/02 1/04 1/06 1/08 1/10 1/12 1/14 1/16 1/18	Pi _I to C0	oerin 17E not •	aziii g ca 20 20 1 coo hav bet me hav me hav or l me	nes arb 95/0 ond ving web ving mb wit car ving bet atta wit thr one ato •	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or ten ring members and non-ring or [2, 2006.01] g one or two double bonds between ring or two double bonds between ring or between ring members and non-ring or [2, 2006.01] th oxygen atoms directly attached to ring or thousand the second or two double bonds between ring members ween ring members and non-ring or [2, 2006.01] th oxygen atoms directly attached to ring or three double bonds between ring members ween ring members and non-ring or [2, 2006.01] th only hydrogen atoms, hydrocarbon or obstituted hydrocarbon radicals, directly ached to ring carbon atoms [2, 2006.01] th hetero atoms or with carbon atoms having the bonds to hetero atoms with at the most the bonds to halogen, e.g. ester or nitrile dicals, directly attached to ring carbon or [2, 2006.01] Halogen atoms; Nitro radicals [2, 2006.01] Oxygen or sulfur atoms [2, 2006.01] Nitrogen atoms (nitro radicals C07D 241/16) [2, 2006.01]
239/545 239/553 239/557 239/56 239/56 239/62 239/64 239/66 239/68	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		•	One ator Thr ator	o oxas de cadio ca	oubly bound abstituted hydrals [2, 2006.01] carbon atoms with carbon atoms fluorouraci with carbon atoms bonds to he most one bodirectly attatoms, e.g. acid [5, 200 ygen atom at 2, 2006.01] lfur atoms [2] carbon atoms [2] carbon atoms ouble compo obarbituric acids [3] alts of organiouble compo ouble compo ouble compo	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rinns, e.g. [15, 2006.01] en atoms having three etero atoms with at the ond to halogen, eached to ring carbon orotic [106.01] en or sulfur [12, 2006.01] en or sulfur [13, 2006.01] ic bases; Organic unds [2, 2006.01] ic bases; Organic unds [2, 2006.01] ic bases; Organic unds [2, 2006.01]	24 24 24 24 24	1/02 1/04 1/06 1/08 1/10 1/12 1/16 1/18 1/18 1/120 1/122 1/122 1/122	Pi _I to C0	oerin 17E not •	aziii g ca co ca	ness arb/ond/ving wing wing with with car ving bett witt sub atta one ato •	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or een ring members and non-ring oers [2, 2006.01] g one or two double bonds between ring oers or between ring members and non-ring oers [2, 2006.01] th oxygen atoms directly attached to ring obon atoms [2, 2006.01] g three double bonds between ring members ween ring members and non-ring oers [2, 2006.01] th only hydrogen atoms, hydrocarbon or ostituted hydrocarbon radicals, directly ached to ring carbon atoms [2, 2006.01] th hetero atoms or with carbon atoms having oe bonds to hetero atoms with at the most of bonds to hetero atoms with at the most of bonds to hetero atoms with at the most of bonds (2, 2006.01) Halogen atoms; Nitro radicals [2, 2006.01] Oxygen or sulfur atoms [2, 2006.01] Nitrogen atoms (nitro radicals CO7D 241/16) [2, 2006.01] • Benzenesulfonamido pyrazines [2, 2006.01]
239/545 239/553 239/557 239/56 239/56 239/62 239/64 239/66	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		One ator Thr ator	o oxas de cadio ca	oubly bound abstituted hydrals [2, 2006.01] carbon atoms with carbon atoms fluorouraci with carbon atoms bonds to he most one bodirectly attatoms, e.g. acid [5, 200 ygen atom at 2, 2006.01] lfur atoms [2] carbon atoms [2] carbon atoms ouble compo obarbituric acids [3] alts of organiouble compo ouble compo ouble compo	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rinns, e.g. [15, 2006.01] en atoms having three etero atoms with at the cond to halogen, eched to ring carbon orotic [106.01] en or sulfur [12, 2006.01] en or sulfur [14, 2006.01] ic bases; Organic unds [2, 2006.01] ic bases; Organic bases; Organic	24 24 24 24 24	1/02 1/04 1/06 1/08 1/10 1/12 1/14 1/16 1/18 1/20 1/10	Pi _I to C0	oerin 17E not •	aziii g ca co ca	nessarbs 95/0 pndoving wee wing wing wing wing wing wing wing bett atta witt three one atta • • •	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or ten ring members and non-ring oers [2, 2006.01] g one or two double bonds between ring oers or between ring members and non-ring oers [2, 2006.01] th oxygen atoms directly attached to ring obon atoms [2, 2006.01] g three double bonds between ring members ween ring members and non-ring oers [2, 2006.01] th only hydrogen atoms, hydrocarbon or ostituted hydrocarbon radicals, directly ached to ring carbon atoms [2, 2006.01] th hetero atoms or with carbon atoms having oe bonds to hetero atoms with at the most of bond to halogen, e.g. ester or nitrile licals, directly attached to ring carbon oms [2, 2006.01] Halogen atoms; Nitro radicals [2, 2006.01] Oxygen or sulfur atoms [2, 2006.01] Nitrogen atoms (nitro radicals CO7D 241/16) [2, 2006.01] Benzenesulfonamido pyrazines [2, 2006.01] Carbon atoms having three bonds to hetero
239/545 239/553 239/557 239/56 239/56 239/62 239/64 239/66 239/68 239/69	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •			1	One ator Thr ator • H	o oxas de cadio ca	oubly bound abstituted hydrals [2, 2006. vith other hete arbon atoms bettero atoms with haloge radicals direction atom fluorouraci with carbon bonds to he most one bedirectly attatoms, e.g. acid [5, 200 ygen atom and 2, 2006.01] alts of organiouble composituric acids [alts of organiouble compoul fonamido-pull	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rin ms, e.g. [15, 2006.01] en atoms having three etero atoms with at the tond to halogen, ached to ring carbon orotic [106.01] en or sulfur [12, 2006.01] en or sulfur [14, 2006.01] ic bases; Organic unds [2, 2006.01] ic bases; Organic unds [2, 2006.01] orygimidines [3, 2006.01] orygimidines [3, 2006.01]	24 24 24 24 24	1/02 1/04 1/06 1/08 1/10 1/12 1/16 1/18 1/18 1/120 1/122 1/122 1/122	Pi _I to C0	oerin 17E not •	aziii g ca co ca	nessarb 95/0 ondowing wing wing better witts witts substant attores •	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or ten ring members and non-ring ores [2, 2006.01] g one or two double bonds between ring ores or between ring members and non-ring ores [2, 2006.01] th oxygen atoms directly attached to ring or thousand the compact of the com
239/545 239/553 239/557 239/56 239/56 239/62 239/64 239/66 239/68	• • • • • • • • • • • • • • • • • • • •				1 ised	One ator Thr ator • H	o oxas da cadio ca	oubly bound abstituted hydrals [2, 2006. vith other hete arbon atoms bettero atoms with haloge radicals direction atom fluorouracii with carbon bonds to he most one bedirectly attatoms, e.g. acid [5, 200 ygen atom are 2, 2006.01] alts of organiouble composituric acids [alts of organiouble composition and composition of the composition	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rin ms, e.g. [15, 2006.01] en atoms having three etero atoms with at the tond to halogen, ached to ring carbon orotic [106.01] en or sulfur [12, 2006.01] en or sulfur [14, 2006.01] ic bases; Organic unds [2, 2006.01] ic bases; Organic unds [2, 2006.01] orygimidines [3, 2006.01] orygimidines [3, 2006.01]	24 24 24 24 24 24 24 24	1/02 1/04 1/04 1/06 1/08 1/10 1/11 1/11 1/11 1/11 1/11 1/11	Pi _I to C0	oerin 17E not •	aziii g ca co ca	nessarb 95/0 ondowing wing wing better witts witts substant attores •	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or ten ring members and non-ring oers [2, 2006.01] g one or two double bonds between ring oers or between ring members and non-ring oers [2, 2006.01] th oxygen atoms directly attached to ring obon atoms [2, 2006.01] g three double bonds between ring members ween ring members and non-ring oers [2, 2006.01] th only hydrogen atoms, hydrocarbon or ostituted hydrocarbon radicals, directly ached to ring carbon atoms [2, 2006.01] th hetero atoms or with carbon atoms having oe bonds to hetero atoms with at the most of bond to halogen, e.g. ester or nitrile dicals, directly attached to ring carbon oms [2, 2006.01] Halogen atoms; Nitro radicals [2, 2006.01] Oxygen or sulfur atoms [2, 2006.01] Nitrogen atoms (nitro radicals [2, 2006.01] Benzenesulfonamido pyrazines [2, 2006.01] Carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals [2, 2006.01]
239/545 239/553 239/557 239/56 239/56 239/62 239/64 239/66 239/68 239/69	• • • • • • • • • • • • • • • • • • • •				1 ised	One ator Thr ator • H	o oxas da cadio ca	oubly bound abstituted hydrals [2, 2006. vith other hete arbon atoms bettero atoms with haloge radicals direction atom fluorouracii with carbon bonds to he most one bedirectly attatoms, e.g. acid [5, 200 ygen atom are 2, 2006.01] alts of organiouble composituric acids [alts of organiouble composition and composition of the composition	oxygen atoms or as droxy [101] ero atoms or with having three bonds with at the most one en, directly attached atoms [5, 2006.01] en atoms or nitro ectly attached to rin ms, e.g. [15, 2006.01] en atoms having three etero atoms with at the tond to halogen, ached to ring carbon orotic [106.01] en or sulfur [12, 2006.01] en or sulfur [14, 2006.01] ic bases; Organic unds [2, 2006.01] ic bases; Organic unds [2, 2006.01] orygimidines [3, 2006.01] orygimidines [3, 2006.01]	24 24 24 24 24 24 24 24	1/02 1/04 1/06 1/08 1/10 1/12 1/16 1/18 1/18 1/120 1/122 1/122 1/122	Pi _I to C0	oerin 17E not •	aziii g ca co ca	nessarb 95/0 ondowing wing wing better witts witts substant attores •	with only hydrogen atoms directly attached on atoms are classified in group 00. ensed with other rings [2, 2006.01] g no double bonds between ring members or ten ring members and non-ring ores [2, 2006.01] g one or two double bonds between ring ores or between ring members and non-ring ores [2, 2006.01] th oxygen atoms directly attached to ring or thousand the compact of the com

241/28	• • • • • in which said hetero-bound carbon atoms have double bonds to oxygen, sulfur or nitrogen atoms [2, 5, 2006.01]	243/28	• • • • • • • Preparation including building-up the benzodiazepine skeleton from compounds containing no hetero rings [2, 2006.01]
241/30	• • • • • • in which said hetero-bound carbon atoms are part of a substructure — $C(=X)$ — X — $C(=X)$ — X — in which X is an oxygen or sulfur atom or an	243/30	Preparation including building-up the benzodiazepine skeleton from compounds already containing hetero rings [2, 2006.01]
241/32	imino radical, e.g. imidoylguanidines [2, 5, 2006.01] • • • • • • (Amino-pyrazinoyl)	243/32	• • • • • • • containing a phthalimide or hydrogenated phthalimide ring system [2, 2006.01]
241/34	guanidines [2, 5, 2006.01] • • • • • • • (Amino-pyrazine carbonamido) guanidines [2, 5, 2006.01]	243/34	• • • • • • • containing a quinazoline or hydrogenated quinazoline ring system [2, 2006.01]
241/36	 condensed with carbocyclic rings or ring systems [2, 2006.01] 	243/36	• • • • • • • containing an indole or hydrogenated indole ring
241/38	 with only hydrogen or carbon atoms directly attached to the ring nitrogen atoms [2, 2006.01] 	243/38	system [2, 2006.01] • • • [b, e]- or [b, f]-condensed with six-membered
241/40	• • • Benzopyrazines [2, 2006.01]		rings [2, 2006.01]
241/42	• • • with only hydrogen atoms, hydrocarbon or substituted hydrocarbon radicals, directly attached to carbon atoms of the hetero ring [2, 2006.01]	245/00	Heterocyclic compounds containing rings of more than seven members having two nitrogen atoms as the only ring hetero atoms [2, 2006.01]
244/44	_	245/02	 not condensed with other rings [2, 2006.01]
241/44	 • with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or 	245/04	 condensed with carbocyclic rings or ring systems [2, 2006.01]
	nitrile radicals, directly attached to carbon atoms of the hetero ring [2, 2006.01]	245/06	• • condensed with one six-membered ring [2, 2006.01]
241/46	• • • Phenazines [2, 2006.01]	247/00	Heterocyclic compounds containing rings having two
241/48	 • • with hydrocarbon radicals, substituted by nitrogen atoms, directly attached to the ring nitrogen atoms [2, 2006.01] 	247700	nitrogen atoms as the only ring hetero atoms, according to more than one of groups C07D 229/00- C07D 245/00 [2, 2006.01]
241/50	 with hetero atoms directly attached to ring nitrogen atoms [2, 2006.01] 	247/02	• having the nitrogen atoms in positions 1 and 3 [2, 2006.01]
241/52	• • • Oxygen atoms [2, 2006.01]		5 (2) 2000021
241/54 243/00	 • Nitrogen atoms [2, 2006.01] Heterocyclic compounds containing seven-membered 	249/00	Heterocyclic compounds containing five-membered rings having three nitrogen atoms as the only ring hetero atoms [2, 2006.01]
	rings having two nitrogen atoms as the only ring hetero atoms [2, 2006.01]	249/02	• not condensed with other rings [2, 2006.01]
243/02	 having the nitrogen atoms in positions 1 and 	249/04	 1,2,3-Triazoles; Hydrogenated 1,2,3- triazoles [2, 2006.01]
243/04	2 [2, 2006.01]having the nitrogen atoms in positions 1 and 3 [2, 2006.01]	249/06	 • with aryl radicals directly attached to ring atoms [2, 2006.01]
243/06	having the nitrogen atoms in positions 1 and	249/08	 1,2,4-Triazoles; Hydrogenated 1,2,4- triazoles [2, 2006.01]
	4 [2, 2006.01]	249/10	 • with hetero atoms or with carbon atoms having
243/08	 not condensed with other rings [2, 2006.01] 		three bonds to hetero atoms with at the most
243/10	• condensed with carbocyclic rings or ring systems [2, 2006.01]		one bond to halogen, e.g. ester or nitrile radicals, directly attached to ring carbon
243/12	• • • 1,5-Benzodiazepines; Hydrogenated 1,5-benzodiazepines [2, 2006.01]	249/12	atoms [2, 2006.01] • • • Oxygen or sulfur atoms [2, 2006.01]
243/14	• • 1,4-Benzodiazepines; Hydrogenated 1,4-benzodiazepines [2, 2006.01]	249/14 249/16	• • • Nitrogen atoms [2, 2006.01]• condensed with carbocyclic rings or ring
243/16	• • • substituted in position 5 by aryl radicals [2, 2006.01]		systems [2, 2006.01]
243/18	• • • • substituted in position 2 by nitrogen,	249/18	• • Benzotriazoles [2, 2006.01]
	oxygen or sulfur atoms [2, 2006.01]	249/20	• • • with aryl radicals directly attached in position 2 [2, 2006.01]
243/20	• • • • • Nitrogen atoms [2, 2006.01]	249/22	 Naphthotriazoles [2, 2006.01]
243/22	• • • • • Sulfur atoms [2, 2006.01]	249/24	• • • with stilbene radicals directly attached in
243/24	• • • • • • Oxygen atoms [2, 2006.01]		position 2 [2, 2006.01]
243/26	• • • • • • Preparation from compounds		
	already containing the	251/00	Heterocyclic compounds containing 1,3,5-triazine
	benzodiazepine		rings [2, 2006.01]
	skeleton [2, 2006.01]	251/02	 not condensed with other rings [2, 2006.01]
		251/04	 having no double bonds between ring members or between ring members and non-ring members [2, 2006.01]

251/06 • • • with hetero atoms directly attached to ring nitrogen atoms [2, 2006.01]	253/00	Heterocyclic compounds containing six-membered rings having three nitrogen atoms as the only ring
251/08 • having one double bond between ring members of	r	hetero atoms, not provided for by group
between a ring member and a non-ring	253/02	C07D 251/00 [2, 2006.01] • not condensed with other rings [2, 2006.01]
member [2, 2006.01] 251/10 • having two double bonds between ring members	253/02	• • 1,2,3-Triazines [2, 2006.01]
or between ring members and non-ring	253/04	• • 1,2,4-Triazines [2, 2006.01]
members [2, 2006.01]	253/065	 • having three double bonds between ring
251/12 • having three double bonds between ring members		members or between ring members and non-
or between ring members and non-ring		ring members [5, 2006.01]
members [2, 2006.01]	253/07	 • • with hetero atoms, or with carbon atoms
251/14 • • • with hydrogen or carbon atoms directly		having three bonds to hetero atoms with at
attached to at least one ring carbon atom [2, 2006.01]		the most one bond to halogen, e.g. ester or
251/16 • • • • to only one ring carbon atom [2, 2006.01]		nitrile radicals, directly attached to ring carbon atoms [5, 2006.01]
251/18 • • • • with nitrogen atoms directly attached to	253/075	• • • • • Two hetero atoms, in positions 3 and
the two other ring carbon atoms, e.g.		5 [5, 2006.01]
guanamines [2, 2006.01]	253/08	 condensed with carbocyclic rings or ring
251/20 • • • • with no nitrogen atoms directly attached		systems [2, 2006.01]
to a ring carbon atom [2, 2006.01]	253/10	• • Condensed 1,2,4-triazines; Hydrogenated
251/22 • • • • to two ring carbon atoms [2, 2006.01]		condensed 1,2,4-triazines [5, 2006.01]
251/24 • • • • to three ring carbon atoms [2, 2006.01] 251/26 • • • with only hetero atoms directly attached to ring	255/00	Heterocyclic compounds containing rings having
carbon atoms [2, 2006.01]	3	three nitrogen atoms as the only ring hetero atoms,
251/28 • • • Only halogen atoms, e.g. cyanuric		not provided for by groups C07D 249/00-
chloride [2, 2006.01]	255/02	C07D 253/00 [2, 2006.01] • not condensed with other rings [2, 2006.01]
251/30 • • • Only oxygen atoms [2, 2006.01]	255/02	 condensed with other rings [2, 2000.01] condensed with carbocyclic rings or ring
251/32 • • • • Cyanuric acid; Isocyanuric	2557 04	systems [2, 2006.01]
acid [2, 2006.01] 251/34 • • • • • Cyanuric or isocyanuric	2== /22	
esters [2, 2006.01]	257/00	Heterocyclic compounds containing rings having four nitrogen atoms as the only ring hetero
251/36 • • • • having halogen atoms directly attached to	0	atoms [2, 2006.01]
ring nitrogen atoms [2, 2006.01]	257/02	• not condensed with other rings [2, 2006.01]
251/38 • • • • Sulfur atoms [2, 2006.01]	257/04	• • Five-membered rings [2, 2006.01]
251/40 • • • • Nitrogen atoms [2, 2006.01]	257/06	• • with nitrogen atoms directly attached to the ring
251/42 • • • • One nitrogen atom [2, 2006.01]		carbon atom [2, 2006.01]
251/44 • • • • • with halogen atoms attached to the tw other ring carbon atoms [2, 2006.01]		• • Six-membered rings [2, 2006.01]
251/46 • • • • with oxygen or sulfur atoms attached	257/10	 condensed with carbocyclic rings or ring systems [2, 2006.01]
to the two other ring carbon	257/12	Six-membered rings having four nitrogen
atoms [2, 2006.01]		atoms [2, 2006.01]
251/48 • • • • • Two nitrogen atoms [2, 2006.01]	250/00	TT
251/50 • • • • • • with a halogen atom attached to the third ring carbon atom [2, 2006.01]	259/00	Heterocyclic compounds containing rings having more than four nitrogen atoms as the only ring
251/52 • • • • • with an oxygen or sulfur atom attache	d	hetero atoms [2, 2006.01]
to the third ring carbon	u	
atom [2, 2006.01]		
251/54 • • • • Three nitrogen atoms [2, 2006.01]	only ring	clic compounds having nitrogen and oxygen as the hetero atoms [2]
251/56 • • • • • Preparation of melamine [2, 2006.01]	omy img	netero atoms [2]
251/58 • • • • • • from cyanamide, dicyanamide or calcium cyanamide [2, 2006.01]	261/00	Heterocyclic compounds containing 1,2-oxazole or
251/60 • • • • • from urea or from carbon dioxide	201/02	hydrogenated 1,2-oxazole rings [2, 2006.01]
and ammonia [2, 2006.01]	261/02 261/04	• not condensed with other rings [2, 2006.01]
251/62 • • • • • Purification of melamine [2, 2006.01]	201/04	 having one double bond between ring members or between a ring member and a non-ring
251/64 • • • • Condensation products of melamine		member [2, 2006.01]
with aldehydes; Derivatives thereof	261/06	 having two or more double bonds between ring
(polycondensation products C08G) [2, 2006.01]		members or between ring members and non-ring
251/66 • • • • • Derivatives of melamine in which a	261/08	members [2, 2006.01] • • with only hydrogen atoms, hydrocarbon or
hetero atom is directly attached to a	201/00	substituted hydrocarbon radicals, directly
nitrogen atom of		attached to ring carbon atoms [2, 2006.01]
melamine [2, 2006.01]	261/10	• • with hetero atoms or with carbon atoms having
251/68 • • • • • • Triazinylamino stilbenes [2, 2006.01]		three bonds to hetero atoms with at the most
251/70 • • • • • • • Other substituted melamines [2, 2006.01]		one bond to halogen, e.g. ester or nitrile radicals, directly attached to ring carbon
251/72 • condensed with carbocyclic rings or ring		atoms [2, 2006.01]
systems [2, 2006.01]		- · · · · · · · · · · · · · · · · · · ·

261/12	Overgon atoms [2, 2006 01]	262750	• • • • Benzene-sulfonamido
261/12 261/14	• • • Oxygen atoms [2, 2006.01]	263/50	oxazoles [2, 2006.01]
261/14	Nitrogen atoms [2, 2006.01]Benzene-sulfonamido	263/52	 condensed with carbocyclic rings or ring
204 /40	isoxazoles [2, 2006.01]	262/54	systems [2, 2006.01] Benzoxazoles; Hydrogenated
261/18	• • • Carbon atoms having three bonds to hetero	263/54	benzoxazoles [2, 2006.01]
	atoms, with at the most one bond to halogen [2, 2006.01]	263/56	• • with only hydrogen atoms, hydrocarbon or
261/20	condensed with carbocyclic rings or ring	200750	substituted hydrocarbon radicals, directly
201/20	systems [2, 2006.01]		attached in position 2 [2, 2006.01]
	, , ,	263/57	• • • • Aryl or substituted aryl radicals [5, 2006.01]
263/00	Heterocyclic compounds containing 1,3-oxazole or	263/58	• • with hetero atoms or with carbon atoms having
	hydrogenated 1,3-oxazole rings [2, 2006.01]		three bonds to hetero atoms with at the most
263/02	• not condensed with other rings [2, 2006.01]		one bond to halogen, e.g. ester or nitrile
263/04	having no double bonds between ring members or		radicals, directly attached in position 2 [2, 2006.01]
	between ring members and non-ring members [2, 2006.01]	263/60	Naphthoxazoles; Hydrogenated
263/06	• • with hydrocarbon radicals, substituted by	203/00	naphthoxazoles [2, 2006.01]
2007.00	oxygen atoms, attached to ring carbon	263/62	 having two or more ring systems containing
	atoms [2, 2006.01]		condensed 1,3-oxazole rings [2, 2006.01]
263/08	 having one double bond between ring members or 	263/64	 • linked in positions 2 and 2' by chains
	between a ring member and a non-ring		containing six-membered aromatic rings or ring
0.00 /4.0	member [2, 2006.01]		systems containing such rings [5, 2006.01]
263/10	 with only hydrogen atoms, hydrocarbon or substituted hydrocarbon radicals, directly 	265/00	Heterocyclic compounds containing six-membered
	attached to ring carbon atoms [2, 2006.01]	203700	rings having one nitrogen atom and one oxygen atom
263/12	• • • with radicals containing only hydrogen and		as the only ring hetero atoms [2, 2006.01]
2007 12	carbon atoms [2, 2006.01]		Note(a) [3]
263/14	• • • with radicals substituted by oxygen		Note(s) [2]
	atoms [2, 2006.01]		Morpholines having only hydrogen atoms attached to the ring carbon atoms are classified in group
263/16	 • with hetero atoms or with carbon atoms having 		C07D 295/00.
	three bonds to hetero atoms with at the most	265/02	• 1,2-Oxazines; Hydrogenated 1,2-
	one bond to halogen, e.g. ester or nitrile radicals, directly attached to ring carbon	2007 02	oxazines [2, 2006.01]
	atoms [2, 2006.01]	265/04	• 1,3-Oxazines; Hydrogenated 1,3-
263/18	• • • • Oxygen atoms [2, 2006.01]		oxazines [2, 2006.01]
263/20	• • • • attached in position 2 [2, 2006.01]	265/06	 not condensed with other rings [2, 2006.01]
263/22	• • • • • with only hydrogen atoms or radicals	265/08	 having one double bond between ring members
	containing only hydrogen and carbon		or between a ring member and a non-ring
	atoms, directly attached to other ring	265/10	member [2, 2006.01] • • • • with oxygen atoms directly attached to ring
262/24	carbon atoms [2, 2006.01]	203/10	carbon atoms [2, 2006.01]
263/24	• • • • • with hydrocarbon radicals, substituted by oxygen atoms, attached to other	265/12	condensed with carbocyclic rings or ring
	ring carbon atoms [2, 2006.01]		systems [2, 2006.01]
263/26	• • • • • with hetero atoms or acyl radicals	265/14	 condensed with one six-membered
	directly attached to the ring nitrogen		ring [2, 2006.01]
	atom [2, 2006.01]	265/16	• • • with only hydrogen or carbon atoms directly
263/28	Nitrogen atoms not forming part of a nitro	5.0 = / 4.0	attached in positions 2 and 4 [2, 2006.01]
202 /20	radical [2, 2006.01]	265/18	• • • • with hetero atoms directly attached in position 2 [2, 2006.01]
263/30	 having two or three double bonds between ring members or between ring members and non-ring 	265/20	• • • • with hetero atoms directly attached in
	members [2, 2006.01]	203/20	position 4 [2, 2006.01]
263/32	• • with only hydrogen atoms, hydrocarbon or	265/22	• • • • • Oxygen atoms [2, 2006.01]
	substituted hydrocarbon radicals, directly	265/24	• • • with hetero atoms directly attached in
	attached to ring carbon atoms [2, 2006.01]		positions 2 and 4 [2, 2006.01]
263/34	• • with hetero atoms or with carbon atoms having	265/26	 • • • • Two oxygen atoms, e.g. isatoic
	three bonds to hetero atoms with at the most		anhydride [2, 2006.01]
	one bond to halogen, e.g. ester or nitrile radicals, directly attached to ring carbon	265/28	• 1,4-Oxazines; Hydrogenated 1,4-
	atoms [2, 2006.01]	265/20	oxazines [2, 2006.01]
263/36	• • • • One oxygen atom [2, 2006.01]	265/30 265/32	not condensed with other rings [2, 2006.01]with oxygen atoms directly attached to ring
263/38	• • • • attached in position 2 [2, 2006.01]	20J/ 32	carbon atoms [2, 2006.01]
263/40	• • • • attached in position 4 [2, 2006.01]	265/33	• • • • Two oxygen atoms, in positions 3 and
263/42	• • • • attached in position 5 [2, 2006.01]	22.00	5 [5, 2006.01]
263/44	• • • Two oxygen atoms [2, 2006.01]	265/34	• • condensed with carbocyclic rings [2, 2006.01]
263/46	• • • • Sulfur atoms [2, 2006.01]	265/36	 condensed with one six-membered
263/48	• • • Nitrogen atoms not forming part of a nitro		ring [2, 2006.01]
	radical [2, 2006.01]		

265/38	• • • [b, e]-condensed with two six-membered rings [2, 2006.01]	-	velic compounds having nitrogen and sulfur as the only ero atoms [2]
267/00	Heterocyclic compounds containing rings of more than six members having one nitrogen atom and one oxygen atom as the only ring hetero	275/00 275/02	Heterocyclic compounds containing 1, 2-thiazole or hydrogenated 1,2-thiazole rings [2, 2006.01] • not condensed with other rings [2, 2006.01]
	atoms [2, 2006.01]	275/03	 with hetero atoms or with carbon atoms having
267/02 267/04	 Seven-membered rings [2, 2006.01] having the hetero atoms in positions 1 and 		three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals,
267/06	 2 [2, 2006.01] having the hetero atoms in positions 1 and 3 [2, 2006.01] 	275/04	 directly attached to ring carbon atoms [5, 2006.01] condensed with carbocyclic rings or ring systems [2, 2006.01]
267/08	 having the hetero atoms in positions 1 and 4 [2, 2006.01] 	275/06	 with hetero atoms directly attached to the ring sulfur atom [2, 2006.01]
267/10	• • • not condensed with other rings [2, 2006.01]		• • •
267/12	• • condensed with carbocyclic rings or ring systems [2, 2006.01]	277/00	Heterocyclic compounds containing 1,3-thiazole or hydrogenated 1,3-thiazole rings [2, 2006.01]
267/14	• • • condensed with one six-membered	277/02	 not condensed with other rings [2, 2006.01]
267/16	ring [2, 2006.01] • • • condensed with two six-membered	277/04	 having no double bonds between ring members or between ring members and non-ring members [2, 2006.01]
	rings [2, 2006.01]	277/06	 • with carbon atoms having three bonds to hetero
267/18	• • • • [b, e]-condensed [2, 2006.01]	277700	atoms with at the most one bond to halogen,
267/20 267/22	• • • • [b, f]-condensed [2, 2006.01]• Eight-membered rings [2, 2006.01]		e.g. ester or nitrile radicals, directly attached to ring carbon atoms [2, 2006.01]
269/00	Heterocyclic compounds containing rings having one nitrogen atom and one oxygen atom as the only ring	277/08	 having one double bond between ring members or between a ring member and a non-ring member [2, 2006.01]
269/02	hetero atoms according to more than one of groups C07D 261/00-C07D 267/00 [2, 2006.01] having the hetero atoms in positions 1 and	277/10	• • with only hydrogen atoms, hydrocarbon or substituted hydrocarbon radicals, directly
2037 02	3 [2, 2006.01]	277/12	attached to ring carbon atoms [2, 2006.01]with hetero atoms or with carbon atoms having
271/00	Heterocyclic compounds containing five-membered rings having two nitrogen atoms and one oxygen atom as the only ring hetero atoms [2, 2006.01]		three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached to ring carbon atoms [2, 2006.01]
271/02	 not condensed with other rings [2, 2006.01] 	277/14	• • • • Oxygen atoms [2, 2006.01]
271/04	• • 1,2,3-Oxadiazoles; Hydrogenated 1,2,3-	277/14	• • • • Sulfur atoms [2, 2006.01]
254 / 26	oxadiazoles [2, 2006.01]	277/18	• • • • Nitrogen atoms [2, 2006.01]
271/06	 1,2,4-Oxadiazoles; Hydrogenated 1,2,4- oxadiazoles [2, 2006.01] 	277/10	 having two or three double bonds between ring
271/07	• with oxygen, sulfur or nitrogen atoms, directly attached to ring carbon atoms, the nitrogen	277720	members or between ring members and non-ring members [2, 2006.01]
	atoms not forming part of a nitro radical [5, 2006.01]	277/22	• • • with only hydrogen atoms, hydrocarbon or substituted hydrocarbon radicals, directly
271/08	 1,2,5-Oxadiazoles; Hydrogenated 1,2,5- oxadiazoles [2, 2006.01] 	277/24	attached to ring carbon atoms [2, 2006.01]Radicals substituted by oxygen
271/10	 1,3,4-Oxadiazoles; Hydrogenated 1,3,4-oxadiazoles [2, 2006.01] 	277/26	atoms [2, 2006.01] • • • • Radicals substituted by sulfur
271/107	• • with two aryl or substituted aryl radicals attached in positions 2 and 5 [5, 2006.01]	277/28	atoms [2, 2006.01] • • • • Radicals substituted by nitrogen
271/113	 • with oxygen, sulfur or nitrogen atoms, directly attached to ring carbon atoms, the nitrogen atoms not forming part of a nitro radical [5, 2006.01] 	277/30	 atoms [2, 2006.01] Radicals substituted by carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile
271/12	 condensed with carbocyclic rings or ring systems [2, 2006.01] 	277/32	radicals [2, 2006.01] • • • with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most
273/00	Heterocyclic compounds containing rings having nitrogen and oxygen atoms as the only ring hetero atoms, not proceed for by groups C07D 261/00-		one bond to halogen, e.g. ester or nitrile radicals, directly attached to ring carbon atoms [2, 2006.01]
050/01	C07D 271/00 [2, 2006.01]	277/34	• • • • Oxygen atoms [2, 2006.01]
273/01	• having one nitrogen atom [3, 2006.01]	277/36	• • • • Sulfur atoms [2, 2006.01]
273/02	• having two nitrogen atoms and only one oxygen	277/38	• • • Nitrogen atoms [2, 2006.01]
050/01	atom [2, 2006.01]	277/40	• • • • Unsubstituted amino or imino
273/04	• • Six-membered rings [2, 2006.01]		radicals [2, 2006.01]
273/06	• • Seven-membered rings [2, 2006.01]	277/42	• • • • Amino or imino radicals substituted by
273/08	 having two nitrogen atoms and more than one oxygen atom [3, 2006.01] 		hydrocarbon or substituted hydrocarbon radicals [2, 2006.01]

277/44	• • • • • Acylated amino or imino radicals [2, 2006.01]	279/04 • 1,3-Thiazines; Hydrogenated 1,3-thiazines [2, 2006.01]
277/46	• • • • by carboxylic acids, or sulfur or	279/06 • not condensed with other rings [2, 2006.01]
2///40	nitrogen analogues	9 - 7
	thereof [2, 2006.01]	279/08 • • condensed with carbocyclic rings or ring systems [2, 2006.01]
277/48	• • • • by radicals derived from carbonic acid,	279/10 • 1,4-Thiazines; Hydrogenated 1,4-
	or sulfur or nitrogen analogues thereof,	thiazines [2, 2006.01]
	e.g. carbonylguanidines [2, 2006.01]	279/12 • not condensed with other rings [2, 2006.01]
277/50	 • • • • Nitrogen atoms bound to hetero 	279/14 • • condensed with carbocyclic rings or ring
	atoms [2, 2006.01]	systems [2, 2006.01]
277/52	• • • • • to sulfur atoms, e.g. sulfonamides [2, 2006.01]	279/16 • • • condensed with one six-membered ring [2, 2006.01]
277/54	• • • Nitrogen and either oxygen or sulfur	
2,,,0.	atoms [2, 2006.01]	279/18 • • • [b, e]-condensed with two six-membered rings [2, 2006.01]
277/56	Carbon atoms having three bonds to hetero	
2,,,50	atoms with at the most one bond to	279/20 • • • with hydrogen atoms directly attached to the
	halogen [2, 2006.01]	ring nitrogen atom [2, 2006.01]
277/58	• • • Nitro radicals [2, 2006.01]	279/22 • • • with carbon atoms directly attached to the
277/587		ring nitrogen atom [2, 2006.01]
2///30/	by carbon atoms having three bonds to hetero	279/24 • • • • with hydrocarbon radicals, substituted by
	atoms with at the most one bond to halogen,	amino radicals, attached to the ring
	e.g. ester or nitrile radicals, directly attached to	nitrogen atom [2, 2006.01]
		279/26 • • • • without other substituents attached to
	ring carbon atoms, said aliphatic radicals being	the ring system [2, 2006.01]
	substituted in the alpha-position to the ring by a $-N$	279/28 • • • • with other substituents attached to the
		ring system [2, 2006.01]
	hetero atom, e.g. $\overset{5}{\ddot{Z}}$ with $m \ge 0$,	279/30 • • • • with acyl radicals attached to the ring
	Z being a singly or a doubly bound hetero	nitrogen atom [2, 2006.01]
	atom [5, 2006.01]	279/32 • • • • with hetero atoms directly attached to the
277/593	B • • • Z being doubly bound oxygen or doubly	ring nitrogen atom [2, 2006.01]
	bound nitrogen, which nitrogen is part of a	279/34 • • • with hetero atoms directly attached to the
	possibly substituted oximino	ring sulfur atom [2, 2006.01]
	radical [5, 2006.01]	279/36 • • • [b, e]-condensed, at least one with a further
277/60	 condensed with carbocyclic rings or ring 	condensed benzene ring [2, 2006.01]
	systems [2, 2006.01]	condensed benzene ring [2, 2000.01]
277/62	D .1: 1 FD DOOG 041	
	• • Benzothiazoles [2, 2006.01]	281/00 Heterocyclic compounds containing rings of more
	 Benzothiazoles [2, 2006.01] with only hydrocarbon or substituted 	281/00 Heterocyclic compounds containing rings of more than six members having one nitrogen atom and one
277/64	• • • with only hydrocarbon or substituted	than six members having one nitrogen atom and one
		than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01]
	 • with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01]
277/64 277/66	 • with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] • with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] • having the hetero atoms in positions 1 and 4 [2, 2006.01]
277/64	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] • having the hetero atoms in positions 1 and
277/64 277/66	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] • having the hetero atoms in positions 1 and 4 [2, 2006.01]
277/64 277/66	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] 281/04 • having the hetero atoms in positions 1 and 4 [2, 2006.01] 281/06 • • not condensed with other rings [2, 2006.01]
277/64 277/66	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached in position 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] • having the hetero atoms in positions 1 and 4 [2, 2006.01] 281/06 • • not condensed with other rings [2, 2006.01] 281/08 • • condensed with carbocyclic rings or ring systems [2, 2006.01]
277/64 277/66 277/68	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached in position 2 [2, 2006.01] 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] 281/04 • having the hetero atoms in positions 1 and 4 [2, 2006.01] 281/06 • • not condensed with other rings [2, 2006.01] 281/08 • • condensed with carbocyclic rings or ring systems [2, 2006.01] 281/10 • • condensed with one six-membered
277/64 277/66 277/68 277/70	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached in position 2 [2, 2006.01] Sulfur atoms [2, 2006.01] 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] • having the hetero atoms in positions 1 and 4 [2, 2006.01] 281/06 • • not condensed with other rings [2, 2006.01] 281/08 • • condensed with carbocyclic rings or ring systems [2, 2006.01]
277/64 277/66 277/68	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached in position 2 [2, 2006.01] Sulfur atoms [2, 2006.01] 2-Mercaptobenzothiazole [2, 2006.01] 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] 281/04 • having the hetero atoms in positions 1 and 4 [2, 2006.01] 281/06 • • not condensed with other rings [2, 2006.01] 281/08 • • condensed with carbocyclic rings or ring systems [2, 2006.01] 281/10 • • condensed with one six-membered ring [2, 2006.01]
277/64 277/66 277/68 277/70	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached in position 2 [2, 2006.01] Sulfur atoms [2, 2006.01] 2-Mercaptobenzothiazole [2, 2006.01] Sulfur atoms substituted by carbon 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] 281/04 • having the hetero atoms in positions 1 and 4 [2, 2006.01] 281/06 • • not condensed with other rings [2, 2006.01] 281/08 • • condensed with carbocyclic rings or ring systems [2, 2006.01] 281/10 • • • condensed with one six-membered ring [2, 2006.01] 281/12 • • • condensed with two six-membered rings [2, 2006.01]
277/64 277/66 277/68 277/70 277/72	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached in position 2 [2, 2006.01] Sulfur atoms [2, 2006.01] 2-Mercaptobenzothiazole [2, 2006.01] 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] 281/04 • having the hetero atoms in positions 1 and 4 [2, 2006.01] 281/06 • • not condensed with other rings [2, 2006.01] 281/08 • • condensed with carbocyclic rings or ring systems [2, 2006.01] 281/10 • • condensed with one six-membered ring [2, 2006.01] 281/12 • • • condensed with two six-membered rings [2, 2006.01] 281/14 • • • • [b, e]-condensed [2, 2006.01]
277/64 277/66 277/68 277/70 277/72	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached in position 2 [2, 2006.01] Sulfur atoms [2, 2006.01] 2-Mercaptobenzothiazole [2, 2006.01] Sulfur atoms substituted by carbon 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] 281/04 • having the hetero atoms in positions 1 and 4 [2, 2006.01] 281/06 • • not condensed with other rings [2, 2006.01] 281/08 • • condensed with carbocyclic rings or ring systems [2, 2006.01] 281/10 • • • condensed with one six-membered ring [2, 2006.01] 281/12 • • condensed with two six-membered rings [2, 2006.01] 281/14 • • • • [b, e]-condensed [2, 2006.01] 281/16 • • • • [b, f]-condensed [2, 2006.01]
277/64 277/66 277/68 277/70 277/72 277/74	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached in position 2 [2, 2006.01] Sulfur atoms [2, 2006.01] 2-Mercaptobenzothiazole [2, 2006.01] Sulfur atoms substituted by carbon atoms [2, 2006.01] 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] 281/04 • having the hetero atoms in positions 1 and 4 [2, 2006.01] 281/06 • • not condensed with other rings [2, 2006.01] 281/08 • • condensed with carbocyclic rings or ring systems [2, 2006.01] 281/10 • • condensed with one six-membered ring [2, 2006.01] 281/12 • • • condensed with two six-membered rings [2, 2006.01] 281/14 • • • • [b, e]-condensed [2, 2006.01]
277/64 277/66 277/68 277/70 277/72 277/74	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached in position 2 [2, 2006.01] Sulfur atoms [2, 2006.01] 2-Mercaptobenzothiazole [2, 2006.01] Sulfur atoms substituted by carbon atoms [2, 2006.01] Sulfur atoms substituted to a second hetero 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] 281/04 • having the hetero atoms in positions 1 and 4 [2, 2006.01] 281/06 • • not condensed with other rings [2, 2006.01] 281/08 • • condensed with carbocyclic rings or ring systems [2, 2006.01] 281/10 • • • condensed with one six-membered ring [2, 2006.01] 281/12 • • condensed with two six-membered rings [2, 2006.01] 281/14 • • • • [b, e]-condensed [2, 2006.01] 281/16 • • • • [b, f]-condensed [2, 2006.01] 281/18 • Eight-membered rings [2, 2006.01]
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277/64 277/66 277/68 277/70 277/72 277/74 277/76 277/78 277/80	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached in position 2 [2, 2006.01] Sulfur atoms [2, 2006.01] 2-Mercaptobenzothiazole [2, 2006.01] Sulfur atoms substituted by carbon atoms [2, 2006.01] Sulfur atoms attached to a second hetero atom [2, 2006.01] to a second sulfur atom [2, 2006.01] to a nitrogen atom [2, 2006.01] 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] 281/04 • having the hetero atoms in positions 1 and 4 [2, 2006.01] 281/06 • • not condensed with other rings [2, 2006.01] 281/08 • • condensed with carbocyclic rings or ring systems [2, 2006.01] 281/10 • • • condensed with one six-membered ring [2, 2006.01] 281/12 • • condensed with two six-membered rings [2, 2006.01] 281/14 • • • [b, e]-condensed [2, 2006.01] 281/16 • • • • [b, f]-condensed [2, 2006.01] 281/18 • Eight-membered rings [2, 2006.01] Heterocyclic compounds containing rings having one nitrogen atom and one sulfur atom as the only ring
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277/64 277/66 277/68 277/70 277/72 277/74 277/76 277/78 277/80	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached in position 2 [2, 2006.01] Sulfur atoms [2, 2006.01] 2-Mercaptobenzothiazole [2, 2006.01] Sulfur atoms substituted by carbon atoms [2, 2006.01] Sulfur atoms attached to a second hetero atom [2, 2006.01] to a second sulfur atom [2, 2006.01] to a nitrogen atom [2, 2006.01] 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] 281/04 • having the hetero atoms in positions 1 and 4 [2, 2006.01] 281/06 • • not condensed with other rings [2, 2006.01] 281/08 • • condensed with carbocyclic rings or ring systems [2, 2006.01] 281/10 • • • condensed with one six-membered ring [2, 2006.01] 281/12 • • • condensed with two six-membered rings [2, 2006.01] 281/12 • • • [b, e]-condensed [2, 2006.01] 281/14 • • • • [b, f]-condensed [2, 2006.01] 281/16 • • • • [b, f]-condensed [2, 2006.01] 281/18 • Eight-membered rings [2, 2006.01] 483/00 Heterocyclic compounds containing rings having one nitrogen atom and one sulfur atom as the only ring hetero atoms, according to more than one of groups C07D 275/00-C07D 281/00 [2, 2006.01]
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277/64 277/66 277/68 277/70 277/72 277/74 277/76 277/78 277/80 277/82 277/84	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached in position 2 [2, 2006.01] Sulfur atoms [2, 2006.01] Sulfur atoms substituted by carbon atoms [2, 2006.01] Sulfur atoms substituted by carbon atoms [2, 2006.01] to a second sulfur atom [2, 2006.01] to a second sulfur atom [2, 2006.01] to a nitrogen atom [2, 2006.01] Naphthothiazoles [2, 2006.01] Naphthothiazoles [2, 2006.01] Naphthothiazoles [2, 2006.01] Note(s) [2] 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] 281/04 • having the hetero atoms in positions 1 and 4 [2, 2006.01] 281/06 • • not condensed with other rings [2, 2006.01] 281/08 • • condensed with carbocyclic rings or ring systems [2, 2006.01] 281/10 • • • condensed with one six-membered ring [2, 2006.01] 281/12 • • • condensed with two six-membered rings [2, 2006.01] 281/14 • • • • [b, e]-condensed [2, 2006.01] 281/16 • • • • [b, f]-condensed [2, 2006.01] 281/18 • Eight-membered rings [2, 2006.01] 283/00 Heterocyclic compounds containing rings having one nitrogen atom and one sulfur atom as the only ring hetero atoms, according to more than one of groups C07D 275/00-C07D 281/00 [2, 2006.01] 283/02 • having the hetero atoms in positions 1 and 3 [2, 2006.01] 285/00 Heterocyclic compounds containing rings having nitrogen and sulfur atoms as the only ring hetero atoms, not provided for by groups C07D 275/00-
277/64 277/66 277/68 277/70 277/72 277/74 277/76 277/78 277/80 277/82 277/84	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached in position 2 [2, 2006.01] Sulfur atoms [2, 2006.01] Sulfur atoms substituted by carbon atoms [2, 2006.01] Sulfur atoms substituted by carbon atoms [2, 2006.01] Sulfur atoms attached to a second hetero atom [2, 2006.01] to a second sulfur atom [2, 2006.01] to a nitrogen atom [2, 2006.01] Nitrogen atoms [2, 2006.01] Naphthothiazoles [2, 2006.01] Naphthothiazoles [2, 2006.01] Note(s) [2] Thiomorpholines having only hydrogen atoms attached 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] 281/04 • having the hetero atoms in positions 1 and 4 [2, 2006.01] 281/06 • • not condensed with other rings [2, 2006.01] 281/08 • • condensed with carbocyclic rings or ring systems [2, 2006.01] 281/10 • • • condensed with one six-membered ring [2, 2006.01] 281/12 • • condensed with two six-membered rings [2, 2006.01] 281/14 • • • • [b, e]-condensed [2, 2006.01] 281/16 • • • • • [b, f]-condensed [2, 2006.01] 281/18 • Eight-membered rings [2, 2006.01] 283/00 Heterocyclic compounds containing rings having one nitrogen atom and one sulfur atom as the only ring hetero atoms, according to more than one of groups C07D 275/00-C07D 281/00 [2, 2006.01] 285/00 Heterocyclic compounds containing rings having nitrogen and sulfur atoms as the only ring hetero atoms, not provided for by groups C07D 275/00-C07D 283/00 [2, 2006.01]
277/64 277/66 277/68 277/70 277/72 277/74 277/76 277/78 277/80 277/82 277/84	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached in position 2 [2, 2006.01] Sulfur atoms [2, 2006.01] Sulfur atoms substituted by carbon atoms [2, 2006.01] Sulfur atoms substituted by carbon atoms [2, 2006.01] Sulfur atoms attached to a second hetero atom [2, 2006.01] to a second sulfur atom [2, 2006.01] to a nitrogen atom [2, 2006.01] Nitrogen atoms [2, 2006.01] Naphthothiazoles [2, 2006.01] Naphthothiazoles [2, 2006.01] Note(s) [2] Thiomorpholines having only hydrogen atoms attached to the ring carbon atoms are classified in group 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] 281/04 • having the hetero atoms in positions 1 and 4 [2, 2006.01] 281/06 • • not condensed with other rings [2, 2006.01] 281/08 • • condensed with carbocyclic rings or ring systems [2, 2006.01] 281/10 • • • condensed with one six-membered ring [2, 2006.01] 281/12 • • • condensed with two six-membered rings [2, 2006.01] 281/14 • • • • [b, e]-condensed [2, 2006.01] 281/16 • • • • [b, f]-condensed [2, 2006.01] 281/18 • Eight-membered rings [2, 2006.01] 283/00 Heterocyclic compounds containing rings having one nitrogen atom and one sulfur atom as the only ring hetero atoms, according to more than one of groups C07D 275/00-C07D 281/00 [2, 2006.01] 285/00 Heterocyclic compounds containing rings having nitrogen and sulfur atoms as the only ring hetero atoms, not provided for by groups C07D 275/00-C07D 283/00 [2, 2006.01] 285/01 • Five-membered rings [5, 2006.01]
277/64 277/66 277/68 277/70 277/72 277/74 277/76 277/78 277/80 277/82 277/84 279/00	 with only hydrocarbon or substituted hydrocarbon radicals attached in position 2 [2, 2006.01] with aromatic rings or ring systems directly attached in position 2 [2, 2006.01] with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached in position 2 [2, 2006.01] Sulfur atoms [2, 2006.01] Sulfur atoms substituted by carbon atoms [2, 2006.01] Sulfur atoms substituted by carbon atoms [2, 2006.01] Sulfur atoms attached to a second hetero atom [2, 2006.01] to a second sulfur atom [2, 2006.01] to a nitrogen atom [2, 2006.01] Naphthothiazoles [2, 2006.01] Naphthothiazoles [2, 2006.01] Note(s) [2] Thiomorpholines having only hydrogen atoms attached to the ring carbon atoms are classified in group CO7D 295/00. 	than six members having one nitrogen atom and one sulfur atom as the only ring hetero atoms [2, 2006.01] 281/02 • Seven-membered rings [2, 2006.01] 281/04 • having the hetero atoms in positions 1 and 4 [2, 2006.01] 281/06 • • not condensed with other rings [2, 2006.01] 281/08 • • condensed with carbocyclic rings or ring systems [2, 2006.01] 281/10 • • • condensed with one six-membered ring [2, 2006.01] 281/12 • • • condensed with two six-membered rings [2, 2006.01] 281/14 • • • • [b, e]-condensed [2, 2006.01] 281/16 • • • • [b, f]-condensed [2, 2006.01] 281/18 • Eight-membered rings [2, 2006.01] 283/00 Heterocyclic compounds containing rings having one nitrogen atom and one sulfur atom as the only ring hetero atoms, according to more than one of groups C07D 275/00-C07D 281/00 [2, 2006.01] 283/02 • having the hetero atoms in positions 1 and 3 [2, 2006.01] 285/00 Heterocyclic compounds containing rings having nitrogen and sulfur atoms as the only ring hetero atoms, not provided for by groups C07D 275/00-C07D 283/00 [2, 2006.01] 285/01 • Five-membered rings [5, 2006.01] • Thiadiazoles; Hydrogenated

285/06	• • • 1,2,3-Thiadiazoles; Hydrogenated 1,2,3-thiadiazoles [2, 5, 2006.01]	293/06	 • • Selenazoles; Hydrogenated selenazoles [2, 2006.01]
285/08	• • • 1,2,4-Thiadiazoles; Hydrogenated 1,2,4-	293/08	• • Six-membered rings [2, 2006.01]
285/10	thiadiazoles [2, 5, 2006.01] • • • • 1,2,5-Thiadiazoles; Hydrogenated 1,2,5-	293/10	 condensed with carbocyclic rings or ring systems [2, 2006.01]
	thiadiazoles [2, 5, 2006.01]	293/12	Selenazoles; Hydrogenated
285/12	• • • 1,3,4-Thiadiazoles; Hydrogenated 1,3,4-thiadiazoles [2, 5, 2006.01]		selenazoles [2, 2006.01]
285/125	 • • • • with oxygen, sulfur or nitrogen atoms, directly attached to ring carbon atoms, the nitrogen atoms not forming part of a nitro radical [5, 2006.01] 	295/00	Heterocyclic compounds containing polymethylene- imine rings with at least five ring members, 3- azabicyclo [3.2.2] nonane, piperazine, morpholine or thiomorpholine rings, having only hydrogen atoms directly attached to the ring carbon
285/13	• • • • • • • Oxygen atoms [5, 2006.01]		atoms [2, 2006.01]
285/135 285/14	• • • • • • Nitrogen atoms [5, 2006.01]• • • condensed with carbocyclic rings or ring	295/02	 containing only hydrogen and carbon atoms in addition to the ring hetero elements [2, 2006.01]
	systems [2, 5, 2006.01]	295/023	
285/15	• Six-membered rings [5, 2006.01]	2557 025	additives [5, 2006.01]
285/16	 Thiadiazines; Hydrogenated thiadiazines [2, 5, 2006.01] 	295/027	
285/18	• • 1,2,4-Thiadiazines; Hydrogenated 1,2,4-	295/03	• • • with the ring nitrogen atoms directly attached to acyclic carbon atoms [5, 2006.01]
285/20	thiadiazines [2, 5, 2006.01] • • • condensed with carbocyclic rings or ring	295/033	• • • with the ring nitrogen atoms directly attached to carbocyclic rings [5, 2006.01]
285/22	systems [2, 5, 2006.01] • • • • condensed with one six-membered	295/037	3 - 1
203/22	ring [2, 5, 2006.01]	295/04	 with substituted hydrocarbon radicals attached to ring
285/24	• • • • • with oxygen atoms directly attached to	295/06	nitrogen atoms [2, 2006.01] • substituted by halogen atoms or nitro
285/26	the ring sulfur atom [2, 5, 2006.01] • • • • • • substituted in position 6 or 7 by		radicals [2, 2006.01]
203/20	sulfamoyl or substituted sulfamoyl	295/067	• • • with the ring nitrogen atoms and the substituents attached to the same carbon chain,
285/28	radicals [2, 5, 2006.01] • • • • • • • with only hydrogen atoms or radicals containing only		which is not interrupted by carbocyclic rings [5, 2006.01]
	hydrogen and carbon atoms, directly attached in position 3 [2, 5, 2006.01]	295/073	 • with the ring nitrogen atoms and the substituents separated by carbocyclic rings or by carbon chains interrupted by carbocyclic rings [5, 2006.01]
285/30	• • • • • • • with hydrocarbon radicals, substituted by hetero atoms,	295/08	 substituted by singly bound oxygen or sulfur
	attached in position 3 [2, 5, 2006.01]	295/084	8 8
285/32	• • • • • • • • with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most		sulfur atoms attached to the same carbon chain, which is not interrupted by carbocyclic rings [5, 2006.01]
	one bond to halogen, e.g. ester or	295/088	• • • to an acyclic saturated chain [5, 2006.01]
	nitrile radicals, directly attached in position 3 [2, 5, 2006.01]	295/092	• • • • with aromatic radicals attached to the chain [5, 2006.01]
285/34	• • 1,3,5-Thiadiazines; Hydrogenated 1,3,5-thiadiazines [2, 5, 2006.01]	295/096	• • • with the ring nitrogen atoms and the oxygen or sulfur atoms separated by carbocyclic rings or
285/36 285/38	Seven-membered rings [2, 2006.01]Eight-membered rings [2, 2006.01]		by carbon chains interrupted by carbocyclic rings [5, 2006.01]
	Eight-membered rings [2, 2000.01]	295/10	 substituted by doubly bound oxygen or sulfur atoms [2, 2006.01]
		295/104	• • • with the ring nitrogen atoms and the doubly
291/00	Heterocyclic compounds containing rings having nitrogen, oxygen and sulfur atoms as the only ring hetero atoms [2, 2006.01]		bound oxygen or sulfur atoms attached to the same carbon chain, which is not interrupted by carbocyclic rings [5, 2006.01]
291/02	• not condensed with other rings [2, 2006.01]	295/108	
291/04	• • Five-membered rings [2, 2006.01]	295/112	 • with the ring nitrogen atoms and the doubly
291/06	• • Six-membered rings [2, 2006.01]		bound oxygen or sulfur atoms separated by
291/08	condensed with carbocyclic rings or ring		carbocyclic rings or by carbon chains interrupted by carbocyclic rings [5, 2006.01]
	systems [2, 2006.01]	295/116	
293/00	Heterocyclic compounds containing rings having nitrogen and selenium or nitrogen and tellurium,		atoms directly attached to a carbocyclic ring [5, 2006.01]
	with or without oxygen or sulfur atoms, as the ring	295/12	 substituted by singly or doubly bound nitrogen
	hetero atoms [2, 2006.01]		atoms (nitro radicals C07D 295/06) [2, 2006.01]
293/02	• not condensed with other rings [2, 2006.01]		
293/04	• • Five-membered rings [2, 2006.01]		

005/405					
295/125	•	•	 with the ring nitrogen atoms and the substituent nitrogen atoms attached to the same carbon 	301/14	 • with organic peracids, or salts, anhydrides or esters thereof [2, 3, 2006.01]
			chain, which is not interrupted by carbocyclic rings [5, 2006.01]	301/16	• • • • formed <u>in situ</u> , e.g. from carboxylic acids and hydrogen peroxide [2, 3, 2006.01]
295/13 295/135	•	•	to an acyclic saturated chain [5, 2006.01]with the ring nitrogen atoms and the substituent	301/18	• • • • from polybasic carboxylic acids [2, 3, 2006.01]
293/133	٠	٠	nitrogen atoms separated by carbocyclic rings	301/19	• • • with organic hydroperoxides [3, 2006.01]
			or by carbon chains interrupted by carbocyclic	301/13	 by oxidation of saturated compounds with air or
			rings [5, 2006.01]	501/22	molecular oxygen (of mixtures of unsaturated and
295/14	•	•	substituted by carbon atoms having three bonds to		saturated compounds C07D 301/04) [2, 2006.01]
			hetero atoms with at the most one bond to	301/24	 by splitting-off Hal—Y from compounds
295/145			halogen, e.g. ester or nitrile radicals [2, 2006.01]with the ring nitrogen atoms and the carbon		containing the radical Hal—C—C—
233/143	•	·	atoms with three bonds to hetero atoms	301/26	OY [2, 2006.01] • • • Y being hydrogen [2, 2006.01]
			attached to the same carbon chain, which is not	301/20	Condensation of epihalohydrins or halohydrins with
			interrupted by carbocyclic rings [5, 2006.01]	301/2/	compounds containing active hydrogen atoms
295/15	•	•	• • to an acyclic saturated chain [5, 2006.01]		(macromolecular compounds C08) [3, 2006.01]
295/155	•	•	with the ring nitrogen atoms and the carbon	301/28	• • by reaction with hydroxyl radicals [2, 3, 2006.01]
			atoms with three bonds to hetero atoms separated by carbocyclic rings or by carbon	301/30	• • by reaction with carboxyl radicals [2, 3, 2006.01]
			chains interrupted by carbocyclic	301/32	 Separation; Purification [2, 2006.01]
			rings [5, 2006.01]	301/36	• Use of additives, e.g. for stabilisation [3, 2006.01]
295/16	•	a	ylated on ring nitrogen atoms [2, 2006.01]	303/00	Compounds containing three-membered rings
295/18	•	•	by radicals derived from carboxylic acids, or	5057 00	having one oxygen atom as the only ring hetero
			sulfur or nitrogen analogues thereof [2, 2006.01]		atom [2, 2006.01]
295/182	•	•	 Radicals derived from carboxylic acids [5, 2006.01] 	303/02	 Compounds containing oxirane rings [2, 2006.01]
295/185			 from aliphatic carboxylic acids [5, 2006.01] 	303/04	containing only hydrogen and carbon atoms in
295/192			 from aromatic carboxylic acids [5, 2006.01] 	303/06	addition to the ring oxygen atoms [2, 2006.01]
295/194			Radicals derived from thio- or thiono	303/00	 in which the oxirane rings are condensed with a carbocyclic ring system having three or more
			carboxylic acids [5, 2006.01]		relevant rings [2, 2006.01]
295/195	•	•	 Radicals derived from nitrogen analogues of carboxylic acids [5, 2006.01] 	303/08	 with hydrocarbon radicals, substituted by halogen atoms, nitro radicals or nitroso
295/20	•	•	by radicals derived from carbonic acid, or sulfur or		radicals [2, 2006.01]
			nitrogen analogues thereof [2, 2006.01]	303/10	• • • in which the oxirane rings are condensed with a
295/205	•	•	• Radicals derived from carbonic		carbocyclic ring system having three or more
295/21			acid [5, 2006.01]Radicals derived from sulfur analogues of	303/12	relevant rings [2, 2006.01] • with hydrocarbon radicals, substituted by singly or
			carbonic acid [5, 2006.01]		doubly bound oxygen atoms [2, 2006.01]
295/215	•	•	• Radicals derived from nitrogen analogues of	303/14	• • by free hydroxyl radicals [2, 2006.01]
295/22		TA:	carbonic acid [5, 2006.01] th hetero atoms directly attached to ring nitrogen	303/16	• • • by esterified hydroxyl radicals [2, 2006.01]
233122	-		oms [2, 2006.01]	303/17	
					• • • containing oxirane rings condensed with
295/24		•	Oxygen atoms [5, 2006.01]		carbocyclic ring systems having three or
295/24 295/26		•	Oxygen atoms [5, 2006.01] Sulfur atoms [5, 2006.01]	303/18	carbocyclic ring systems having three or more relevant rings [3, 2006.01]
	•	•		303/18 303/20	carbocyclic ring systems having three or
295/26	•	•	Sulfur atoms [5, 2006.01]		carbocyclic ring systems having three or more relevant rings [3, 2006.01] • • • by etherified hydroxyl radicals [2, 2006.01] • • • Ethers with hydroxy compounds containing no oxirane rings [2, 2006.01]
295/26 295/28	•	•	Sulfur atoms [5, 2006.01] Nitrogen atoms [5, 2006.01] • non-acylated [5, 2006.01] • acylated with carboxylic or carbonic acids, or		carbocyclic ring systems having three or more relevant rings [3, 2006.01] • • • by etherified hydroxyl radicals [2, 2006.01] • • • Ethers with hydroxy compounds containing no oxirane rings [2, 2006.01] • • • • with monohydroxy
295/26 295/28 295/30	•	•	Sulfur atoms [5, 2006.01] Nitrogen atoms [5, 2006.01] • non-acylated [5, 2006.01]	303/20 303/22	carbocyclic ring systems having three or more relevant rings [3, 2006.01] • • • by etherified hydroxyl radicals [2, 2006.01] • • • Ethers with hydroxy compounds containing no oxirane rings [2, 2006.01] • • • • with monohydroxy compounds [2, 2006.01]
295/26 295/28 295/30	•	•	Sulfur atoms [5, 2006.01] Nitrogen atoms [5, 2006.01] • non-acylated [5, 2006.01] • acylated with carboxylic or carbonic acids, or	303/20	carbocyclic ring systems having three or more relevant rings [3, 2006.01] • • • by etherified hydroxyl radicals [2, 2006.01] • • • Ethers with hydroxy compounds containing no oxirane rings [2, 2006.01] • • • • with monohydroxy compounds [2, 2006.01] • • • • • • Oxiranylmethyl ethers of compounds
295/26 295/28 295/30 295/32 Heterocyc	clic		Sulfur atoms [5, 2006.01] Nitrogen atoms [5, 2006.01] • non-acylated [5, 2006.01] • acylated with carboxylic or carbonic acids, or	303/20 303/22	carbocyclic ring systems having three or more relevant rings [3, 2006.01] • • • by etherified hydroxyl radicals [2, 2006.01] • • • Ethers with hydroxy compounds containing no oxirane rings [2, 2006.01] • • • • with monohydroxy compounds [2, 2006.01] • • • • • Oxiranylmethyl ethers of compounds having one hydroxy group bound to a six-membered aromatic ring, the
295/26 295/28 295/30 295/32 Heterocycsulfur, sel	clic	• • •	 Sulfur atoms [5, 2006.01] Nitrogen atoms [5, 2006.01] non-acylated [5, 2006.01] acylated with carboxylic or carbonic acids, or their nitrogen or sulfur analogues [5, 2006.01] mpounds having oxygen atoms, with or without a or tellurium atoms, as ring hetero atoms [2] 	303/20 303/22	carbocyclic ring systems having three or more relevant rings [3, 2006.01] • • • by etherified hydroxyl radicals [2, 2006.01] • • • Ethers with hydroxy compounds containing no oxirane rings [2, 2006.01] • • • • with monohydroxy compounds [2, 2006.01] • • • • • Oxiranylmethyl ethers of compounds having one hydroxy group bound to a six-membered aromatic ring, the oxiranylmethyl radical not being further substituted, i.e.
295/26 295/28 295/30 295/32 Heterocyc sulfur, sel 301/00	clic	c co	Sulfur atoms [5, 2006.01] Nitrogen atoms [5, 2006.01] • non-acylated [5, 2006.01] • acylated with carboxylic or carbonic acids, or their nitrogen or sulfur analogues [5, 2006.01] mpounds having oxygen atoms, with or without the control of oxiranes [2] aration of oxiranes [2, 2006.01]	303/20 303/22	carbocyclic ring systems having three or more relevant rings [3, 2006.01] • • • by etherified hydroxyl radicals [2, 2006.01] • • • Ethers with hydroxy compounds containing no oxirane rings [2, 2006.01] • • • • with monohydroxy compounds [2, 2006.01] • • • • • Oxiranylmethyl ethers of compounds having one hydroxy group bound to a six-membered aromatic ring, the oxiranylmethyl radical not being
295/26 295/28 295/30 295/32 Heterocysulfur, sel 301/00 301/02	clic	c co iun	Sulfur atoms [5, 2006.01] Nitrogen atoms [5, 2006.01] • non-acylated [5, 2006.01] • acylated with carboxylic or carbonic acids, or their nitrogen or sulfur analogues [5, 2006.01] mpounds having oxygen atoms, with or without the control of oxiranes [2, 2006.01] aration of oxiranes [2, 2006.01]	303/20 303/22	carbocyclic ring systems having three or more relevant rings [3, 2006.01] • • • by etherified hydroxyl radicals [2, 2006.01] • • • Ethers with hydroxy compounds containing no oxirane rings [2, 2006.01] • • • • with monohydroxy compounds [2, 2006.01] • • • • • Oxiranylmethyl ethers of compounds having one hydroxy group bound to a six-membered aromatic ring, the oxiranylmethyl radical not being further substituted, i.e.
295/26 295/28 295/30 295/32 Heterocyc sulfur, sel 301/00	clic	c co iun	Sulfur atoms [5, 2006.01] Nitrogen atoms [5, 2006.01] non-acylated [5, 2006.01] acylated with carboxylic or carbonic acids, or their nitrogen or sulfur analogues [5, 2006.01] ampounds having oxygen atoms, with or without the control of oxiranes [2, 2006.01] aration of oxiranes [2, 2006.01] by oxidation of unsaturated compounds, or of mixtures of unsaturated and saturated	303/20 303/22	carbocyclic ring systems having three or more relevant rings [3, 2006.01] • • • by etherified hydroxyl radicals [2, 2006.01] • • • Ethers with hydroxy compounds containing no oxirane rings [2, 2006.01] • • • with monohydroxy compounds [2, 2006.01] • • • • • Oxiranylmethyl ethers of compounds having one hydroxy group bound to a six-membered aromatic ring, the oxiranylmethyl radical not being further substituted, i.e. CH2-CH-CH2-O-Aryl
295/26 295/28 295/30 295/32 Heterocyc sulfur, sel 301/00 301/02 301/03	clic	c co iun	Sulfur atoms [5, 2006.01] Nitrogen atoms [5, 2006.01] non-acylated [5, 2006.01] acylated with carboxylic or carbonic acids, or their nitrogen or sulfur analogues [5, 2006.01] ampounds having oxygen atoms, with or without the control of oxiranes [2, 2006.01] aration of oxiranes [2, 2006.01] by oxidation of unsaturated compounds, or of mixtures of unsaturated and saturated compounds [3, 2006.01]	303/20 303/22 303/23	carbocyclic ring systems having three or more relevant rings [3, 2006.01] • • • by etherified hydroxyl radicals [2, 2006.01] • • • Ethers with hydroxy compounds containing no oxirane rings [2, 2006.01] • • • • with monohydroxy compounds [2, 2006.01] • • • • • Oxiranylmethyl ethers of compounds having one hydroxy group bound to a six-membered aromatic ring, the oxiranylmethyl radical not being further substituted, i.e. CH2-CH-CH2-O-Aryl [5, 2006.01] • • • with polyhydroxy compounds [2, 2006.01]
295/26 295/28 295/30 295/32 Heterocycsulfur, sel 301/00 301/02 301/03	clice len	c co	Sulfur atoms [5, 2006.01] Nitrogen atoms [5, 2006.01] non-acylated [5, 2006.01] acylated with carboxylic or carbonic acids, or their nitrogen or sulfur analogues [5, 2006.01] appounds having oxygen atoms, with or without the or tellurium atoms, as ring hetero atoms [2] aration of oxiranes [2, 2006.01] aration of unsaturated compounds, or of mixtures of unsaturated and saturated compounds [3, 2006.01] with air or molecular oxygen [2, 3, 2006.01]	303/20 303/22 303/23 303/24 303/26	carbocyclic ring systems having three or more relevant rings [3, 2006.01] • • • by etherified hydroxyl radicals [2, 2006.01] • • • Ethers with hydroxy compounds containing no oxirane rings [2, 2006.01] • • • • with monohydroxy compounds [2, 2006.01] • • • • • Oxiranylmethyl ethers of compounds having one hydroxy group bound to a six-membered aromatic ring, the oxiranylmethyl radical not being further substituted, i.e. CH ₂ -CH-CH ₂ -O-Aryl 0
295/26 295/28 295/30 295/32 Heterocysulfur, sel 301/00 301/02 301/03 301/04 301/06	clice len	c co	Sulfur atoms [5, 2006.01] Nitrogen atoms [5, 2006.01] non-acylated [5, 2006.01] acylated with carboxylic or carbonic acids, or their nitrogen or sulfur analogues [5, 2006.01] appounds having oxygen atoms, with or without the control of oxiranes [2, 2006.01] aration of oxiranes [2, 2006.01] aration of unsaturated compounds, or of mixtures of unsaturated and saturated compounds [3, 2006.01] with air or molecular oxygen [2, 3, 2006.01] with liquid phase [2, 3, 2006.01]	303/20 303/22 303/23 303/24	carbocyclic ring systems having three or more relevant rings [3, 2006.01] • • by etherified hydroxyl radicals [2, 2006.01] • • Ethers with hydroxy compounds containing no oxirane rings [2, 2006.01] • • • with monohydroxy compounds [2, 2006.01] • • • • Oxiranylmethyl ethers of compounds having one hydroxy group bound to a six-membered aromatic ring, the oxiranylmethyl radical not being further substituted, i.e. CH2-CH-CH2-O-Aryl 0
295/26 295/28 295/30 295/32 Heterocycsulfur, sel 301/00 301/02 301/03	clice len	c co	Sulfur atoms [5, 2006.01] Nitrogen atoms [5, 2006.01] non-acylated [5, 2006.01] acylated with carboxylic or carbonic acids, or their nitrogen or sulfur analogues [5, 2006.01] appounds having oxygen atoms, with or without the or tellurium atoms, as ring hetero atoms [2] aration of oxiranes [2, 2006.01] aration of unsaturated compounds, or of mixtures of unsaturated and saturated compounds [3, 2006.01] with air or molecular oxygen [2, 3, 2006.01]	303/20 303/22 303/23 303/24 303/26	carbocyclic ring systems having three or more relevant rings [3, 2006.01] • • • by etherified hydroxyl radicals [2, 2006.01] • • • Ethers with hydroxy compounds containing no oxirane rings [2, 2006.01] • • • with monohydroxy compounds [2, 2006.01] • • • • • Oxiranylmethyl ethers of compounds having one hydroxy group bound to a six-membered aromatic ring, the oxiranylmethyl radical not being further substituted, i.e. CH2-CH-CH2-O-Aryl 0 [5, 2006.01] • • • with polyhydroxy compounds [2, 2006.01] • • • • having one or more free hydroxyl radicals [2, 2006.01] • • • • having all hydroxyl radicals etherified with oxirane containing
295/26 295/28 295/30 295/32 Heterocyc sulfur, sel 301/00 301/02 301/03 301/04 301/06 301/08	clice len	c co	Sulfur atoms [5, 2006.01] Nitrogen atoms [5, 2006.01] non-acylated [5, 2006.01] acylated with carboxylic or carbonic acids, or their nitrogen or sulfur analogues [5, 2006.01] ampounds having oxygen atoms, with or without the or tellurium atoms, as ring hetero atoms [2] aration of oxiranes [2, 2006.01] arthesis of the oxirane ring [2, 2006.01] by oxidation of unsaturated compounds, or of mixtures of unsaturated and saturated compounds [3, 2006.01] with air or molecular oxygen [2, 3, 2006.01] in the liquid phase [2, 3, 2006.01] in the gaseous phase [2, 3, 2006.01]	303/20 303/22 303/23 303/24 303/26	carbocyclic ring systems having three or more relevant rings [3, 2006.01] • • by etherified hydroxyl radicals [2, 2006.01] • • Ethers with hydroxy compounds containing no oxirane rings [2, 2006.01] • • • with monohydroxy compounds [2, 2006.01] • • • • Oxiranylmethyl ethers of compounds having one hydroxy group bound to a six-membered aromatic ring, the oxiranylmethyl radical not being further substituted, i.e. CH2-CH-CH2-O-Aryl 0

303/30	• • • • Ethers of oxirane-containing polyhydroxy compounds in which all hydroxyl radicals are etherified with oxirane-containing	307/14 • • • • Radicals substituted by nitrogen atoms not forming part of a nitro radical [2, 2006.01] 307/16 • • • Radicals substituted by carbon atoms having
202/24	hydroxy compounds [2, 2006.01]	three bonds to hetero atoms with at the most
303/31	• • • in which the oxirane rings are condensed with a carbocyclic ring system having three	one bond to halogen, e.g. ester or nitrile radicals [2, 2006.01]
202 (22	or more relevant rings [3, 2006.01]	307/18 • • • with hetero atoms or with carbon atoms having
303/32 303/34	• by aldehydo- or ketonic radicals [2, 2006.01]• with hydrocarbon radicals, substituted by sulfur,	three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile
303/36	selenium, or tellurium atoms [2, 2006.01] • with hydrocarbon radicals, substituted by nitrogen	radicals, directly attached to ring carbon atoms [2, 2006.01]
	atoms (nitro, nitroso radicals	307/20 • • • • Oxygen atoms [2, 2006.01]
303/38	C07D 303/08) [2, 2006.01]	307/22 • • • Nitrogen atoms not forming part of a nitro radical [2, 2006.01]
303/30	 with hydrocarbon radicals, substituted by carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile 	307/24 • • • Carbon atoms having three bonds to hetero atoms with at the most one bond to
303/40	radicals [2, 2006.01] • • by ester radicals [2, 2006.01]	halogen [2, 2006.01] 307/26 • having one double bond between ring members or
303/42	• • • Acyclic compounds having a chain of seven	between a ring member and a non-ring
	or more carbon atoms, e.g. epoxidised	member [2, 2006.01]
303/44	fats [2, 2006.01] • • • Esterified with oxirane-containing hydroxy	307/28 • • • with only hydrogen atoms, hydrocarbon or substituted hydrocarbon radicals, directly
303/44	compounds [2, 2006.01]	attached to ring carbon atoms [2, 2006.01]
303/46	• • • by amide or nitrile radicals [2, 2006.01]	307/30 • • • with hetero atoms or with carbon atoms having
303/48	with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most one	three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile
	bond to halogen, directly attached to ring carbon	radicals, directly attached to ring carbon
	atoms, e.g. ester or nitrile radicals [3, 2006.01]	atoms [2, 2006.01]
305/00	Heterocyclic compounds containing four-membered	307/32 • • • • Oxygen atoms [2, 2006.01] 307/33 • • • • in position 2, the oxygen atom being in its
303700	rings having one oxygen atom as the only ring hetero atoms [2, 2006.01]	keto or unsubstituted enol form [5, 2006.01]
305/02	• not condensed with other rings [2, 2006.01]	307/34 • having two or three double bonds between ring
305/04	having no double bonds between ring members or between ring members and non-ring	members or between ring members and non-ring members [2, 2006.01]
305/06	members [2, 2006.01] • • with only hydrogen atoms, hydrocarbon or	307/36 • • • with only hydrogen atoms or radicals containing only hydrogen and carbon atoms,
303/00	substituted hydrocarbon radicals, directly attached to the ring atoms [2, 2006.01]	directly attached to ring carbon atoms [2, 2006.01]
305/08	• • • with hetero atoms or with carbon atoms having	307/38 • • • with substituted hydrocarbon radicals attached
	three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile	to ring carbon atoms [2, 2006.01] 307/40 • • • Radicals substituted by oxygen
	radicals, directly attached to ring	atoms [2, 2006.01]
20= // 0	atoms [2, 2006.01]	307/42 • • • • Singly bound oxygen atoms [2, 2006.01]
305/10	 having one or more double bonds between ring members or between ring members and non-ring 	307/44 • • • • • • Furfuryl alcohol [2, 2006.01]
	members [2, 2006.01]	307/45 • • • • • • Oxygen atoms acylated by a cyclopropane containing carboxylic
305/12	• • • Beta-lactones [2, 2006.01]	acyl radical, e.g.
305/14	 condensed with carbocyclic rings or ring systems [2, 2006.01] 	chrysanthemumates [3, 2006.01]
	Systems [2, 2000.01]	307/46 • • • • Doubly bound oxygen atoms, or two oxygen atoms singly bound to the same
307/00	Heterocyclic compounds containing five-membered	carbon atom [2, 2006.01]
	rings having one oxygen atom as the only ring hetero atom [2, 2006.01]	307/48 • • • • • Furfural [2, 2006.01]
307/02	 not condensed with other rings [2, 2006.01] 	307/50 • • • • • • Preparation from natural
307/04	 having no double bonds between ring members or between ring members and non-ring 	products [2, 2006.01] 307/52 • • • • Radicals substituted by nitrogen atoms not forming part of a nitro radical [2, 2006.01]
207/06	members [2, 2006.01]	307/54 • • • • Radicals substituted by carbon atoms having
307/06	 • with only hydrogen atoms or radicals containing only hydrogen and carbon atoms, directly attached to ring carbon 	three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals [2, 2006.01]
307/08	atoms [2, 2006.01] • • • Preparation of tetrahydrofuran [2, 2006.01]	307/56 • • • with hetero atoms or with carbon atoms having
307/10	• • with substituted hydrocarbon radicals attached to ring carbon atoms [2, 2006.01]	three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile
307/12	Radicals substituted by oxygen	radicals, directly attached to ring carbon atoms [2, 2006.01]
	atoms [2, 2006.01]	307/58 • • • One oxygen atom, e.g.
		butenolide [2, 2006.01]

307/60	• • • • Two oxygen atoms, e.g. succinic anhydride [2, 2006.01]	307/93	 condensed with a ring other than six- membered [2, 2006.01]
307/62	• • • • Three oxygen atoms, e.g. ascorbic acid [2, 2006.01]	307/935	Not further condensed cyclopenta [b] furans or hydrogenated cyclopenta [b]
307/64	• • • • Sulfur atoms [2, 2006.01]		furans [3, 2006.01]
307/66	• • • • Nitrogen atoms [2, 2006.01]	307/937	• • • with hydrocarbon or substituted hydrocarbon
307/68	• • • Carbon atoms having three bonds to hetero atoms with at the most one bond to		radicals directly attached in position 2, e.g. prostacyclins [5, 2006.01]
	halogen [2, 2006.01]	307/94	 spiro-condensed with carbocyclic rings or ring
307/70	• • • • Nitro radicals [2, 2006.01]		systems, e.g. griseofulvins [2, 2006.01]
307/71	• • • • attached in position 5 [2, 2006.01]	309/00	Heterocyclic compounds containing six-membered
307/72	• • • • • with hydrocarbon radicals, substituted by nitrogen-containing radicals,	309/00	rings having one oxygen atom as the only ring hetero atom, not condensed with other rings [2, 2006.01]
DOE (ED	attached in position 2 [2, 2006.01]	309/02	 having no double bonds between ring members or
307/73	• • • • • by amino or imino, or substituted amino or imino		between ring members and non-ring
	radicals [2, 2006.01]		members [2, 2006.01]
307/74	• • • • • by hydrazino or hydrazono or such	309/04	with only hydrogen atoms, hydrocarbon or
	substituted radicals [2, 2006.01]		substituted hydrocarbon radicals, directly attached to ring carbon atoms [2, 2006.01]
307/75	• • • • • • having carboxylic acyl radicals or their thio or nitrogen analogues directly attached to the	309/06	• • • Radicals substituted by oxygen atoms [2, 2006.01]
	hydrazino or hydrazono radical,	309/08	 with hetero atoms or with carbon atoms having
	e.g. hydrazides [2, 2006.01]		three bonds to hetero atoms with at the most one
307/76	• • • • • • having carbonic acyl radicals or		bond to halogen, e.g. ester or nitrile radicals,
	their thio or nitrogen analogues	309/10	directly attached to ring carbon atoms [2, 2006.01] • • • Oxygen atoms [2, 2006.01]
	directly attached to the hydrazino	309/10	• • • only hydrogen atoms and one oxygen atom
	or hydrazono radical, e.g.	309/12	directly attached to ring carbon atoms, e.g.
205/55	semicarbazides [2, 3, 2006.01]		tetrahydropyranyl ethers [2, 2006.01]
307/77	 ortho- or peri-condensed with carbocyclic rings or ring systems [2, 2006.01] 	309/14	• • • Nitrogen atoms not forming part of a nitro radical [2, 2006.01]
307/78	• • Benzo [b] furans; Hydrogenated benzo [b] furans [2, 2006.01]	309/16	 having one double bond between ring members or
307/79	• • • with only hydrogen atoms, hydrocarbon or		between a ring member and a non-ring member [2, 2006.01]
	substituted hydrocarbon radicals, directly	309/18	containing only hydrogen and carbon atoms in
	attached to carbon atoms of the hetero	309/10	addition to the ring hetero atom [2, 2006.01]
307/80	ring [2, 2006.01] • • • Radicals substituted by oxygen	309/20	with hydrogen atoms and substituted hydrocarbon radicals directly attached to ring carbon
	atoms [2, 2006.01]		atoms [2, 2006.01]
307/81	• • • Radicals substituted by nitrogen atoms not	309/22	Radicals substituted by oxygen
207/02	forming part of a nitro radical [2, 2006.01]		atoms [2, 2006.01]
307/82	 with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most 	309/24	• • • • Methylol radicals [2, 2006.01]
	one bond to halogen, e.g. ester or nitrile	309/26	• • • Carboxaldehyde radicals [2, 2006.01]
	radicals, directly attached to carbon atoms of	309/28	 with hetero atoms or with carbon atoms having
	the hetero ring [2, 2006.01]		three bonds to hetero atoms with at the most one
307/83	• • • • Oxygen atoms [2, 2006.01]		bond to halogen, e.g. ester or nitrile radicals,
307/84	 Carbon atoms having three bonds to hetero 	200 /20	directly attached to ring carbon atoms [2, 2006.01]
	atoms with at the most one bond to	309/30	• • • Oxygen atoms, e.g. delta-lactones [2, 2006.01]
00=/0=	halogen [2, 2006.01]	309/32	having two double bonds between ring members or hattween ring members and non ring
307/85	• • • • attached in position 2 [2, 2006.01]		between ring members and non-ring members [2, 2006.01]
307/86	• • • with an oxygen atom directly attached in position 7 [2, 2006.01]	309/34	 having three or more double bonds between ring
307/87	• • Benzo [c] furans; Hydrogenated benzo [c] furans [2, 2006.01]		members or between ring members and non-ring members [2, 2006.01]
307/88	• • with one oxygen atom directly attached in	309/36	• • with oxygen atoms directly attached to ring carbon
	position 1 or 3 [2, 2006.01]	200/20	atoms [2, 2006.01]
307/885	• • • 3,3-Diphenylphthalides [5, 2006.01]	309/38	• • one oxygen atom in position 2 or 4, e.g. pyrones [2, 2006.01]
307/89	• • with two oxygen atoms directly attached in positions 1 and 3 [2, 2006.01]	309/40	• • • Oxygen atoms attached in positions 3 and 4,
307/90	• • • with an oxygen atom in position 1 and a		e.g. maltol [2, 2006.01]
	nitrogen atom in position 3, or <u>vice</u>	311/00	Heterocyclic compounds containing six-membered
	<u>versa</u> [2, 2006.01]		rings having one oxygen atom as the only hetero
307/91	• • Dibenzofurans; Hydrogenated		atom, condensed with other rings [2, 2006.01]
207/02	dibenzofurans [2, 2006.01]	311/02	 ortho- or peri-condensed with carbocyclic rings or
307/92	• • Naphthofurans; Hydrogenated naphthofurans [2, 2006.01]		ring systems [2, 2006.01]

311/04	 Benzo [b] pyrans, not hydrogenated in the carbocyclic ring [2, 2006.01] 	311/68	• • • with nitrogen atoms directly attached in position 4 [2, 2006.01]
311/06	 • with oxygen or sulfur atoms directly attached in 	311/70	• • • with two hydrocarbon radicals attached in
311/08	position 2 [2, 2006.01] • • • not hydrogenated in the hetero	211/72	position 2 and elements other than carbon and hydrogen in position 6 [2, 2006.01]
	ring [2, 2006.01]	311/72	• • • • 3, 4-Dihydro derivatives having in
311/10	• • • • unsubstituted [2, 2006.01]		position 2 at least one methyl radical and
311/12	• • • • substituted in position 3 and unsubstituted in position 7 [2, 2006.01]		in position 6 one oxygen atom, e.g. tocopherols [2, 2006.01]
311/14	• • • • substituted in position 6 and unsubstituted in position 7 [2, 2006.01]	311/74	• • Benzo [b] pyrans, hydrogenated in the carbocyclic ring [2, 2006.01]
311/16	• • • • substituted in position 7 [2, 2006.01]	311/76	 Benzo [c] pyrans [2, 2006.01]
		311/78	Ring systems having three or more relevant
311/18	• • • • • substituted otherwise than in position 3 or 7 [2, 2006.01]		rings [2, 2006.01]
311/20	 • • hydrogenated in the hetero ring [2, 2006.01] 	311/80	Dibenzopyrans; Hydrogenated
311/22	 • with oxygen or sulfur atoms directly attached in 		dibenzopyrans [2, 2006.01]
	position 4 [2, 2006.01]	311/82	• • • • Xanthenes [2, 2006.01]
211/24	-	311/84	• • • • with hetero atoms or with carbon atoms
311/24	 • • • with carbon atoms having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached in position 2 [2, 2006.01] • • • with aromatic rings attached in position 2 or 	311/31	having three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile radicals, directly attached in position 9 [2, 2006.01]
311/20		311/86	• • • • • Oxygen atoms, e.g.
311/28	3 [2, 2006.01] • • • with aromatic rings attached in position 2	311/88	xanthones [2, 2006.01] • • • • • • Nitrogen atoms [2, 2006.01]
	only [2, 2006.01]		
311/30	• • • • • not hydrogenated in the hetero ring, e.g. flavones [2, 2006.01]	311/90	• • • • • with hydrocarbon radicals, substituted by amino radicals, directly attached in
311/32	• • • • • 2, 3-Dihydro derivatives, e.g. flavanones [2, 2006.01]	311/92	position 9 [2, 2006.01] • • • Naphthopyrans; Hydrogenated
311/34	• • • • with aromatic rings attached in position 3 only [2, 2006.01]	311/94	naphthopyrans [2, 2006.01]condensed with rings other than six-membered or
311/36	• • • • • not hydrogenated in the hetero ring,		with ring systems containing such rings [2, 5, 2006.01]
311/38	e.g. isoflavones [2, 2006.01] • • • • • 2, 3-Dihydro derivatives, e.g.	311/96	 spiro-condensed with carbocyclic rings or ring systems [2, 2006.01]
311/40	isoflavanones [2, 2006.01] • • • • Separation, e.g. from natural material;	313/00	Heterocyclic compounds containing rings of more
311/42	Purification [2, 2006.01] • • • with oxygen or sulfur atoms in positions 2 and		than six members having one oxygen atom as the only ring hetero atom [2, 2006.01]
	4 [2, 2006.01]	313/02	 Seven-membered rings [2, 2006.01]
311/44	• • • • with one hydrogen atom in position 3 [2, 2006.01]	313/04	• ont condensed with other rings [2, 2006.01]
311/46	• • • • unsubstituted in the carbocyclic	313/06	 condensed with carbocyclic rings or ring systems [2, 2006.01]
311/48	ring [2, 2006.01] • • • • • with two such benzopyran radicals	313/08	 condensed with one six-membered ring [2, 2006.01]
	linked together by a carbon chain [2, 2006.01]	313/10	• • • condensed with two six-membered rings [2, 2006.01]
311/50	• • • • • with elements other than carbon and	313/12	• • • • [b, e]-condensed [2, 2006.01]
	hydrogen in position 3 [2, 2006.01]	313/14	• • • • [b, f]-condensed [2, 2006.01]
311/52	• • • • • Enol-esters or -ethers, or sulfur	313/16	• Eight-membered rings [2, 2006.01]
	analogues thereof [2, 2006.01]		-
311/54	• • • substituted in the carbocyclic	313/18	 not condensed with other rings [2, 2006.01]
	ring [2, 2006.01]	313/20	 condensed with carbocyclic rings or ring
311/56	 • • without hydrogen atoms in position 		systems [2, 2006.01]
311/58	3 [2, 2006.01] • • • other than with oxygen or sulfur atoms in position 2 or 4 [2, 2006.01]	315/00	Heterocyclic compounds containing rings having one oxygen atom as the only ring hetero atom according
311/60	• • • with aryl radicals attached in position 2 [2, 2006.01]		to more than one of groups C07D 303/00- C07D 313/00 [2, 2006.01]
211/02		247/00	Hotovo ovelio composed a sestale de Composed de
311/62	 • • • • with oxygen atoms directly attached in position 3, e.g. anthocyanidins [2, 2006.01] 	317/00	Heterocyclic compounds containing five-membered rings having two oxygen atoms as the only ring hetero atoms [2, 2006.01]
211/04		247/02	
311/64	• • • • with oxygen atoms directly attached in position 8 [2, 2006.01]	317/02	having the hetero atoms in positions 1 and 2 [2, 2006.01]
311/66	 • • • with carbon atoms having three bonds to 	317/04	 not condensed with other rings [2, 2006.01]
	hetero atoms with at the most one bond to	317/06	 condensed with carbocyclic rings or ring
	halogen, e.g. ester or nitrile radicals, directly attached in position 2 [2, 2006.01]		systems [2, 2006.01]

317/08		3	[2	, 2	006.		317/62	• • • • with hetero atoms or with carbon atoms having three bonds to hetero atoms with
317/10	•	•	n	ot	conc	lensed with other rings [2, 2006.01]		at the most one bond to halogen, e.g. ester
317/12	•	•	•			only hydrogen atoms or radicals		or nitrile radicals, directly attached to
						ining only hydrogen and carbon atoms,	217/64	atoms of the carbocyclic ring [2, 2006.01]
						ly attached to ring carbon	317/64	• • • • • Oxygen atoms [2, 2006.01]
217/14						s [2, 2006.01]	317/66	• • • • • • Nitrogen atoms not forming part of a nitro radical [2, 2006.01]
317/14	•	•	•			substituted hydrocarbon radicals attached g carbon atoms [2, 2006.01]	317/68	• • • • • Carbon atoms having three bonds to
217/16							31//00	hetero atoms with at the most one bond
317/16	•	•	٠	•		dicals substituted by halogen atoms or radicals [2, 2006.01]		to halogen [2, 2006.01]
317/18						dicals substituted by singly bound oxygen	317/70	• • condensed with ring systems containing two or
31//10		·	Ī	·		sulfur atoms [2, 2006.01]	517770	more relevant rings [2, 2006.01]
317/20						Free hydroxyl or mercaptan [2, 2006.01]	317/72	spiro-condensed with carbocyclic
317/22						etherified [2, 2006.01]		rings [2, 2006.01]
317/24						esterified [2, 2006.01]		
317/26						dicals substituted by doubly bound	319/00	Heterocyclic compounds containing six-membered
0177 2 0						ygen or sulfur atoms or by two such atoms		rings having two oxygen atoms as the only ring
						igly bound to the same carbon	210 /02	hetero atoms [2, 2006.01]
						om [2, 2006.01]	319/02	 1,2-Dioxanes; Hydrogenated 1,2- dioxanes [2, 2006.01]
317/28	•	•	•	•	Ra	dicals substituted by nitrogen atoms (nitro	210/04	
					rac	licals C07D 317/16) [2, 2006.01]	319/04	• 1,3-Dioxanes; Hydrogenated 1,3-dioxanes [2, 2006.01]
317/30	•	•	•	•		dicals substituted by carbon atoms having	319/06	not condensed with other rings [2, 2006.01]
						ree bonds to hetero atoms with at the most	319/08	condensed with carbocyclic rings or ring
						e bond to halogen, e.g. ester or nitrile	313700	systems [2, 2006.01]
245/22						dicals [2, 2006.01]	319/10	• 1,4-Dioxanes; Hydrogenated 1,4-
317/32	•	•	•			hetero atoms or with carbon atoms having bonds to hetero atoms with at the most	313, 10	dioxanes [2, 2006.01]
						ond to halogen, e.g. ester or nitrile	319/12	 not condensed with other rings [2, 2006.01]
						als, directly attached to ring carbon	319/14	 condensed with carbocyclic rings or ring
						[2, 2006.01]		systems [2, 2006.01]
317/34	•	•	•	•	Ox	xygen atoms [2, 2006.01]	319/16	 condensed with one six-membered
317/36	•	•	•			Alkylene carbonates; Substituted alkylene		ring [2, 2006.01]
						carbonates [2, 2006.01]	319/18	• • • Ethylenedioxybenzenes, not substituted on
317/38	•	•	•	•	•	• Ethylene carbonate [2, 2006.01]		the hetero ring [2, 2006.01]
317/40	•	•	•	•	•	Vinylene carbonate; Substituted vinylene	319/20	• • • with substituents attached to the hetero
						carbonates [2, 2006.01]	210/22	ring [2, 2006.01]
317/42						alogen atoms or nitro radicals [2, 2006.01]	319/22	 condensed with one naphthalene or hydrogenated naphthalene ring
317/44	•	•				r peri-condensed with carbocyclic rings or		system [2, 2006.01]
217/46						ems [2, 2006.01]	319/24	• • [b, e]-condensed with two six-membered
317/46	•	•	•			ensed with one six-membered 2, 2006.01]		rings [2, 2006.01]
317/48					_	ethylenedioxybenzenes or hydrogenated		-
317740						ethylenedioxybenzenes, unsubstituted on	321/00	Heterocyclic compounds containing rings having two
						hetero ring [2, 2006.01]		oxygen atoms as the only ring hetero atoms, not
317/50	•			•		with only hydrogen atoms, hydrocarbon		provided for by groups C07D 317/00- C07D 319/00 [2, 2006.01]
						or substituted hydrocarbon radicals,	321/02	 Seven-membered rings [2, 2006.01]
						directly attached to atoms of the	321/02	not condensed with other rings [2, 2006.01]
						carbocyclic ring [2, 2006.01]	321/04	• • 1, 3-Dioxepines; Hydrogenated 1,3-
317/52	•	•	•	•	•		J21/00	dioxepines [2, 2006.01]
2.=						or nitro radicals [2, 2006.01]	321/08	• • 1, 4-Dioxepines; Hydrogenated 1,4-
317/54	•	•	•	•	•	• Radicals substituted by oxygen	5==, 55	dioxepines [2, 2006.01]
317/56				_		atoms [2, 2006.01]Radicals substituted by sulfur	321/10	 condensed with carbocyclic rings or ring
31//30	٠	٠	·	٠	•	atoms [2, 2006.01]		systems [2, 2006.01]
317/58					•	 Radicals substituted by nitrogen atoms 	321/12	• Eight-membered rings [2, 2006.01]
						(nitro radicals	323/00	Hataracyclic compounds containing more than two
						C07D 317/52) [2, 2006.01]	343/00	Heterocyclic compounds containing more than two oxygen atoms as the only ring hetero
317/60	•	•	•	•	•	 Radicals substituted by carbon atoms 		atoms [2, 2006.01]
						having three bonds to hetero atoms	323/02	 Five-membered rings [2, 2006.01]
						with at the most one bond to halogen,	323/04	• Six-membered rings [2, 2006.01]
						e.g. ester or nitrile	323/06	 Trioxane [2, 2006.01]
						radicals [2, 2006.01]	, 00	• >
							325/00	Heterocyclic compounds containing rings having
								oxygen as the only ring hetero atom according to
								more than one of groups C07D 303/00- C07D 323/00 [2, 2006.01]
								30, 12 323, 00 [2, 2000,01]

327/00	Heterocyclic compounds containing rings having	333/42 • • • with nitro or nitroso radicals directly
	oxygen and sulfur atoms as the only ring hetero	attached to ring carbon atoms [2, 2006.01]
	atoms [2, 2006.01]	333/44 • • • • attached in position 5 [2, 2006.01]
327/02	 one oxygen atom and one sulfur atom [2, 2006.01] 	333/46 • • substituted on the ring sulfur atom [2, 2006.01]
327/04	 Five-membered rings [2, 2006.01] 	333/48 • • • by oxygen atoms [2, 2006.01]
327/06	• • Six-membered rings [2, 2006.01]	333/50 • condensed with carbocyclic rings or ring
327/08	• • • [b, e]-condensed with two six-membered	systems [2, 2006.01]
327700	carbocyclic rings [2, 2006.01]	333/52 • Benzo [b] thiophenes; Hydrogenated benzo [b]
327/10	two oxygen atoms and one sulfur atom, e.g. cyclic	thiophenes [2, 2006.01]
32//10	sulfates [2, 2006.01]	333/54 • • • with only hydrogen atoms, hydrocarbon or
	surfaces [2, 2000.01]	substituted hydrocarbon radicals, directly
329/00	Heterocyclic compounds containing rings having	attached to carbon atoms of the hetero
	oxygen and selenium or oxygen and tellurium atoms	ring [2, 2006.01]
	as the only ring hetero atoms [2, 2006.01]	333/56 • • • • Radicals substituted by oxygen
	•	atoms [2, 2006.01]
		333/58 • • • • Radicals substituted by nitrogen
	clic compounds having sulfur, selenium, or tellurium	atoms [2, 2006.01]
atoms as	the only ring hetero atoms [2]	
		333/60 • • • • Radicals substituted by carbon atoms having
331/00	Heterocyclic compounds containing rings of less than	three bonds to hetero atoms with at the most one bond to halogen, e.g. ester or nitrile
	five members, having one sulfur atom as the only	radicals [2, 2006.01]
	ring hetero atom [2, 2006.01]	
331/02	 Three-membered rings [2, 2006.01] 	333/62 • • • with hetero atoms or with carbon atoms having three bonds to hetero atoms with at the most
331/04	 Four-membered rings [2, 2006.01] 	one bond to halogen, e.g. ester or nitrile
000 /		radicals, directly attached to carbon atoms of
333/00	Heterocyclic compounds containing five-membered	the hetero ring [2, 2006.01]
	rings having one sulfur atom as the only ring hetero	333/64 • • • • Oxygen atoms [2, 2006.01]
000/00	atom [2, 2006.01]	
333/02	 not condensed with other rings [2, 2006.01] 	333/66 • • • • Nitrogen atoms not forming part of a nitro radical [2, 2006.01]
333/04	 not substituted on the ring sulfur 	
	atom [2, 2006.01]	333/68 • • • • Carbon atoms having three bonds to hetero
333/06	 • with only hydrogen atoms, hydrocarbon or 	atoms with at the most one bond to
	substituted hydrocarbon radicals, directly	halogen [2, 2006.01]
	attached to the ring carbon atoms [2, 2006.01]	333/70 • • • • attached in position 2 [2, 2006.01]
333/08	 • • • Hydrogen atoms or radicals containing only 	• • Benzo [c] thiophenes; Hydrogenated benzo [c]
	hydrogen and carbon atoms [2, 2006.01]	thiophenes [2, 2006.01]
333/10	• • • • Thiophene [2, 2006.01]	333/74 • • Naphthothiophenes [2, 2006.01]
333/12	 Radicals substituted by halogen atoms or 	333/76 • • Dibenzothiophenes [2, 2006.01]
	nitro or nitroso radicals [2, 2006.01]	333/78 • • condensed with rings other than six-membered or
333/14	 Radicals substituted by singly bound hetero 	with ring systems containing such
	atoms other than halogen [2, 2006.01]	rings [2, 5, 2006.01]
333/16	• • • • by oxygen atoms [2, 2006.01]	333/80 • • • Seven-membered rings [2, 2006.01]
333/18	• • • • by sulfur atoms [2, 2006.01]	DDF/00 XX . 11 1 1 1 1 1 1 1
333/20	• • • • by nitrogen atoms (nitro, nitroso radicals	335/00 Heterocyclic compounds containing six-membered
	C07D 333/12) [2, 2006.01]	rings having one sulfur atom as the only ring hetero
333/22	 Radicals substituted by doubly bound hetero 	atom [2, 2006.01]
	atoms, or by two hetero atoms other than	335/02 • not condensed with other rings [2, 2006.01]
	halogen singly bound to the same carbon	• condensed with carbocyclic rings or ring
	atom [2, 2006.01]	systems [2, 2006.01]
333/24	Radicals substituted by carbon atoms having	335/06 • • Benzothiopyrans; Hydrogenated
	three bonds to hetero atoms with at the most	benzothiopyrans [2, 2006.01]
	one bond to halogen, e.g. ester or nitrile	335/08 • • Naphthothiopyrans; Hydrogenated
	radicals [2, 2006.01]	naphthothiopyrans [2, 2006.01]
333/26	 with hetero atoms or with carbon atoms having 	335/10 • • Dibenzothiopyrans; Hydrogenated
	three bonds to hetero atoms with at the most	dibenzothiopyrans [2, 2006.01]
	one bond to halogen, e.g. ester or nitrile	335/12 • • • Thioxanthenes [2, 2006.01]
	radicals, directly attached to ring carbon	335/14 • • • with hetero atoms or with carbon atoms
	atoms [2, 2006.01]	having three bonds to hetero atoms with at
333/28	• • • • Halogen atoms [2, 2006.01]	the most one bond to halogen, e.g. ester or
333/30	• • • Hetero atoms other than	nitrile radicals, directly attached in position
	halogen [2, 2006.01]	9 [2, 2006.01]
333/32	• • • • • Oxygen atoms [2, 2006.01]	335/16 • • • • • Oxygen atoms, e.g.
333/34	• • • • • Sulfur atoms [2, 2006.01]	thioxanthones [2, 2006.01]
333/36	• • • • • Nitrogen atoms [2, 2006.01]	335/18 • • • • Nitrogen atoms [2, 2006.01]
333/38	• • • Carbon atoms having three bonds to hetero	335/20 • • • • with hydrocarbon radicals, substituted by
JJJ/30	atoms with at the most one bond to halogen,	amino radicals, directly attached in position
	e.g. ester or nitrile radicals [2, 2006.01]	9 [2, 2006.01]
333/40		
JJJ/40	• • • • Thiophene-2-carboxylic acid [2, 2006.01]	

337/00	Heterocyclic compounds containing rings of more than six members having one sulfur atom as the only	401/14	• containing three or more hetero rings [2, 2006.01]
	ring hetero atom [2, 2006.01]	403/00	Heterocyclic compounds containing two or more
337/02	• Seven-membered rings [2, 2006.01]		hetero rings, having nitrogen atoms as the only ring
337/04	 not condensed with other rings [2, 2006.01] 		hetero atoms, not provided for by group
337/06	condensed with carbocyclic rings or ring		C07D 401/00 [2, 2006.01]
337700	systems [2, 2006.01]	403/02	 containing two hetero rings [2, 2006.01]
227/00		403/04	 directly linked by a ring-member-to-ring- member
337/08	• • • condensed with one six-membered		bond [2, 2006.01]
337/10	ring [2, 2006.01] • • • condensed with two six-membered	403/06	 • linked by a carbon chain containing only aliphatic carbon atoms [2, 2006.01]
	rings [2, 2006.01]	402 /00	
337/12	• • • • [b, e]-condensed [2, 2006.01]	403/08	linked by a carbon chain containing alicyclic inter [2, 2006 04]
337/14	• • • [b, f]-condensed [2, 2006.01]	400./40	rings [2, 2006.01]
337/16	• Eight-membered rings [2, 2006.01]	403/10	 • linked by a carbon chain containing aromatic rings [2, 2006.01]
339/00	Heterocyclic compounds containing rings having two	403/12	 linked by a chain containing hetero atoms as chain
	sulfur atoms as the only ring hetero		links [2, 2006.01]
	atoms [2, 2006.01]	403/14	 containing three or more hetero rings [2, 2006.01]
339/02	• Five-membered rings [2, 2006.01]		
339/04	 having the hetero atoms in positions 1 and 2, e.g. 	405/00	Heterocyclic compounds containing both one or
	lipoic acid [2, 2006.01]		more hetero rings having oxygen atoms as the only ring hetero atoms, and one or more rings having
339/06	 having the hetero atoms in positions 1 and 3, e.g. 		nitrogen as the only ring hetero atom [2, 2006.01]
	cyclic dithiocarbonates [2, 2006.01]	405/02	 containing two hetero rings [2, 2006.01]
339/08	 Six-membered rings [2, 2006.01] 	405/04	 directly linked by a ring-member-to-ring- member
		403/04	bond [2, 2006.01]
341/00	Heterocyclic compounds containing rings having	40E /06	
	three or more sulfur atoms as the only ring hetero	405/06	• • linked by a carbon chain containing only aliphatic
	atoms [2, 2006.01]	405 /00	carbon atoms [2, 2006.01]
D 4D 400	**	405/08	linked by a carbon chain containing alicyclic
343/00	Heterocyclic compounds containing rings having		rings [2, 2006.01]
	sulfur and selenium or sulfur and tellurium atoms as	405/10	linked by a carbon chain containing aromatic
	the only ring hetero atoms [2, 2006.01]		rings [2, 2006.01]
345/00	Heterocyclic compounds containing rings having	405/12	 linked by a chain containing hetero atoms as chain
J 4 J/00	selenium or tellurium atoms as the only ring hetero		links [2, 2006.01]
	atoms [2, 2006.01]	405/14	containing three or more hetero rings [2, 2006.01]
		407/00	Heterocyclic compounds containing two or more
347/00	Heterocyclic compounds containing rings having		hetero rings, at least one ring having oxygen atoms as the only ring hetero atoms, not provided for by
547700	halogen atoms as ring hetero atoms [2, 2006.01]		group C07D 405/00 [2, 2006.01]
	nulogen atoms as ring netero atoms [2, 2000.01]	407/02	 containing two hetero rings [2, 2006.01]
		407/04	 directly linked by a ring-member-to-ring- member
Heterocy	clic compounds containing two or more hetero		bond [2, 2006.01]
rings [2]		407/06	 linked by a carbon chain containing only aliphatic
1111Go [=]			carbon atoms [2, 2006.01]
	<u>Note(s) [2]</u>	407/08	 linked by a carbon chain containing alicyclic
	Groups C07D 401/00-C07D 421/00cover compounds		rings [2, 2006.01]
	containing two or more relevant hetero rings at least	407/10	 • linked by a carbon chain containing aromatic
	two of which are covered by different main groups of		rings [2, 2006.01]
	groups C07D 203/00-C07D 347/00, neither condensed	407/12	 linked by a chain containing hetero atoms as chain
	among themselves nor condensed with a common	407/12	links [2, 2006.01]
	carbocyclic ring or ring system.	407/14	 containing three or more hetero rings [2, 2006.01]
	<i>y</i>	407/14	containing three or more netero rings [2, 2000.01]
401/00	Heterocyclic compounds containing two or more	409/00	Heterocyclic compounds containing two or more
	hetero rings, having nitrogen atoms as the only ring	103700	hetero rings, at least one ring having sulfur atoms as
	hetero atoms, at least one ring being a six-membered		the only ring hetero atoms [2, 2006.01]
	ring with only one nitrogen atom [2, 2006.01]	409/02	 containing two hetero rings [2, 2006.01]
401/02	 containing two hetero rings [2, 2006.01] 	409/04	directly linked by a ring-member-to-ring- member
401/04	directly linked by a ring-member-to-ring- member	1 03/04	bond [2, 2006.01]
-	bond [2, 2006.01]	409/06	 • linked by a carbon chain containing only aliphatic
401/06	 linked by a carbon chain containing only aliphatic 	409/00	
00	carbon atoms [2, 2006.01]	400 /00	carbon atoms [2, 2006.01]
401/08	 linked by a carbon chain containing alicyclic 	409/08	• • linked by a carbon chain containing alicyclic
.01,00	rings [2, 2006.01]	400 /40	rings [2, 2006.01]
401/10	 linked by a carbon chain containing aromatic 	409/10	• • linked by a carbon chain containing aromatic
1 01/10	rings [2, 2006.01]		rings [2, 2006.01]
401/12	• linked by a chain containing hetero atoms as chain	409/12	• • linked by a chain containing hetero atoms as chain
1 01/12	links [2, 2006.01]		links [2, 2006.01]
	mmo [2, 2000.01]	409/14	 containing three or more hetero rings [2, 2006.01]

411/00	Heterocyclic compounds containing two or more hetero rings, at least one ring having oxygen and	419/12	• • linked by a chain containing hetero atoms as chain links [2, 2006.01]
	sulfur atoms as the only ring hetero atoms [2, 2006.01]	419/14	• containing three or more hetero rings [2, 2006.01]
411/02	 containing two hetero rings [2, 2006.01] 	421/00	Heterocyclic compounds containing two or more
411/04	 directly linked by a ring-member-to-ring- member bond [2, 2006.01] 		hetero rings, at least one ring having selenium, tellurium, or halogen atoms as ring hetero
411/06	 linked by a carbon chain containing only aliphatic carbon atoms [2, 2006.01] 	421/02	atoms [2, 2006.01]containing two hetero rings [2, 2006.01]
411/08	 linked by a carbon chain containing alicyclic rings [2, 2006.01] 	421/04	 directly linked by a ring-member-to-ring- member bond [2, 2006.01]
411/10	 linked by a carbon chain containing aromatic rings [2, 2006.01] 	421/06	 linked by a carbon chain containing only aliphatic carbon atoms [2, 2006.01]
411/12	 linked by a chain containing hetero atoms as chain links [2, 2006.01] 	421/08	 linked by a carbon chain containing alicyclic rings [2, 2006.01]
411/14	• containing three or more hetero rings [2, 2006.01]	421/10	 linked by a carbon chain containing aromatic rings [2, 2006.01]
413/00	Heterocyclic compounds containing two or more hetero rings, at least one ring having nitrogen and	421/12	• • linked by a chain containing hetero atoms as chain links [2, 2006.01]
	oxygen atoms as the only ring hetero atoms [2, 2006.01]	421/14	• containing three or more hetero rings [2, 2006.01]
413/02	 containing two hetero rings [2, 2006.01] 		
413/04	 directly linked by a ring-member-to-ring- member bond [2, 2006.01] 	Heterocy systems [rclic compounds containing condensed hetero ring. [2]
413/06	 linked by a carbon chain containing only aliphatic carbon atoms [2, 2006.01] 		Note(s) [2, 3, 5]
413/08	 • linked by a carbon chain containing alicyclic rings [2, 2006.01] 		1. Groups C07D 451/00-C07D 517/00 <u>cover</u> compounds containing one system of two or more
413/10	 linked by a carbon chain containing aromatic rings [2, 2006.01] 		relevant hetero rings condensed among themselves or condensed with a common
413/12	 • linked by a chain containing hetero atoms as chain links [2, 2006.01] 		carbocyclic ring system, with or without other non-condensed hetero rings. 2. For the purpose of classification in groups
413/14	• containing three or more hetero rings [2, 2006.01]		C07D 451/00-C07D 519/00, the degree of hydrogenation of the ring system is not taken into
415/00	Heterocyclic compounds containing the thiamine skeleton [2, 2006.01]		consideration. 3. For the purpose of classification in groups
417/00	Heterocyclic compounds containing two or more hetero rings, at least one ring having nitrogen and sulfur atoms as the only ring hetero atoms, not provided for by group C07D 415/00 [2, 2006.01]		C07D 451/00-C07D 463/00, C07D 473/00-C07D 477/00, C07D 489/00, C07D 499/00-C07D 507/00, the wording of the groups has to be understood, in the absence of an indication to the
417/02	 containing two hetero rings [2, 2006.01] 		contrary, as including ring systems further
417/04	directly linked by a ring-member-to-ring- member bond [2, 2006.01]		condensed with carbocyclic rings or ring systems, but excluding ring systems further condensed with
417/06	 • linked by a carbon chain containing only aliphatic carbon atoms [2, 2006.01] 		other hetero rings, either directly or through a common carbocyclic ring system, e.g. sparteine
417/08	 • linked by a carbon chain containing alicyclic rings [2, 2006.01] 		is classified in group C07D 471/22, not in group C07D 455/02.
417/10	 • linked by a carbon chain containing aromatic rings [2, 2006.01] 		4. In groups C07D 471/00, C07D 487/00, C07D 491/00-C07D 498/00 or C07D 513/00-
417/12	 • linked by a chain containing hetero atoms as chain links [2, 2006.01] 		C07D 517/00, the subdivision is based on the number of relevant hetero rings.
417/14	• containing three or more hetero rings [2, 2006.01]	451/00	Heterocyclic compounds containing 8-azabicyclo
419/00	Heterocyclic compounds containing two or more hetero rings, at least one ring having nitrogen, oxygen, and sulfur atoms as the only ring hetero atoms [2, 2006.01]	454 (00	[3.2.1] octane, 9-azabicyclo [3.3.1] nonane, or 3-oxa-9-azatricyclo [3.3.1.02,4] nonane ring systems, e.g. tropane or granatane alkaloids, scopolamine; Cyclic acetals thereof [2, 2006.01]
419/02	• containing two hetero rings [2, 2006.01]	451/02	• containing not further condensed 8-azabicyclo [3.2.1]
419/04	directly linked by a ring-member-to-ring- member bond [2, 2006.01]		octane or 3-oxa-9-azatricyclo [3.3.1.02,4] nonane ring systems, e.g. tropane; Cyclic acetals thereof [2, 2006.01]
419/06	 linked by a carbon chain containing only aliphatic carbon atoms [2, 2006.01] 	451/04	 with hetero atoms directly attached in position 3 of the 8-azabicyclo [3.2.1] octane or in position 7 of
419/08	 linked by a carbon chain containing alicyclic rings [2, 2006.01] 		the 3-oxa-9-azatricyclo [3.3.1.02,4] nonane ring system [2, 2006.01]
419/10	 linked by a carbon chain containing aromatic 	451/06	• • • Oxygen atoms [2, 2006.01]
-	rings [2, 2006.01]	451/08	• • • Diarylmethoxy radicals [2, 2006.01]

451/10	• • • acylated by aliphatic or araliphatic	457/12	• • Nitrogen atoms [2, 2006.01]
	carboxylic acids, e.g. atropine,	457/14	• containing indolo [4, 3-f, g] quinoline ring systems
451/12	scopolamine [2, 2006.01] • • • acylated by aromatic or heteroaromatic		condensed with carbocyclic rings or ring systems [3, 2006.01]
451/12	carboxylic acids, e.g. cocaine [2, 2006.01]		5y5tcm5 [6, 2000.01]
451/14	 containing 9-azabicyclo [3.3.1] nonane ring systems, 	459/00	Heterocyclic compounds containing benz [g] indolo
	e.g. granatane, 2-aza-adamantane; Cyclic acetals		[2, 3-a] quinolizine ring systems, e.g. yohimbine; 16, 18-lactones thereof, e.g. reserpic acid
	thereof [2, 2006.01]		lactone [2, 2006.01]
453/00	Heterocyclic compounds containing quinuclidine or	404 /00	TT
	iso-quinuclidine ring systems, e.g. quinine	461/00	Heterocyclic compounds containing indolo [3, 2, 1-d, e] pyrido [3, 2, 1-i, j] [1, 5]-naphthyridine ring
453/02	alkaloids [2, 2006.01]containing not further condensed quinuclidine ring		systems, e.g. vincamine (dimeric indolo alkaloids
433/02	systems [2, 2006.01]		C07D 519/04) [3, 2006.01]
453/04	• • having a quinolyl-4, a substituted quinolyl-4 or a	463/00	Heterocyclic compounds containing 1-azabicyclo
	alkylenedioxy-quinolyl-4 radical linked through	405700	[4.2.0] octane ring systems, i.e. compounds
	only one carbon atom, attached in position 2, e.g. quinine [2, 2006.01]		$C = C \stackrel{C}{\sim} C$
453/06	• containing iso-quinuclidine ring systems [2, 2006.01]		$\begin{bmatrix} 7 & 7 & 6 & 4 \\ 8 & 1 & 2 & 3 \end{bmatrix}$
			containing a ring system of the formula:
455/00	Heterocyclic compounds containing quinolizine ring systems, e.g. emetine alkaloids, protoberberine;		, e.g. carbacephalosporins; Such ring systems being
	Alkylenedioxy derivatives of dibenzo [a, g]		further condensed, e.g. 2,3-condensed with an oxygen-, nitrogen- or sulfur-containing hetero
	quinolizines, e.g. berberine [2, 2006.01]		ring [5, 2006.01]
455/02	• containing not further condensed quinolizine ring	463/02	Preparation (by microbiological processes
455/03	systems [2, 2006.01]containing quinolizine ring systems directly	463/04	C12P 17/18) [6, 2006.01] • by forming the ring or condensed ring
-1 337 03	condensed with at least one six-membered	403/04	systems [6, 2006.01]
	carbocyclic ring, e.g. protoberberine; Alkylenedioxy	463/06	 from compounds already containing the ring or
	derivatives of dibenzo [a, g] quinolizines, e.g. berberine [3, 2006.01]		condensed ring systems, e.g. by dehydrogenation
455/04	containing a quinolizine ring system condensed		of the ring, by introduction, elimination or modification of substituents [6, 2006.01]
	with only one six-membered carbocyclic ring, e.g.	463/08	• • • Modification of a carboxyl group directly
	julolidine [2, 3, 2006.01]		attached in position 2, e.g.
455/06	• • containing benzo [a] quinolizine ring systems [2, 3, 2006.01]	460/10	esterification [6, 2006.01]
455/08	• • • having an isoquinolyl-1, a substituted	463/10	 with a carbon atom having three bonds to hetero atoms with at the most one bond to halogen, e.g. an
	isoquinolyl-1 or an		ester or nitrile radical, directly attached in position
	alkylenedioxyisoquinolyl-1 radical linked		2 [6, 2006.01]
	through only one carbon atom, attached in position 2, e.g. emetine [2, 3, 2006.01]	463/12	 with hydrogen atoms, hydrocarbon or substituted hydrocarbon radicals attached in position
			7 [6, 2006.01]
457/00	Heterocyclic compounds containing indolo [4, 3-f, g] quinoline ring systems, e.g. derivatives of ergoline, of	463/14	• • with hetero atoms directly attached in position
	quinoime ring systems, e.g. derivatives of ergoline, of	400 / 40	7 [6, 2006.01]
	11 110 NH	463/16	• Nitrogen atoms [6, 2006.01]• further acylated by radicals derived from
	15 16	463/18	carboxylic acids or by nitrogen or sulfur
	the formula: HN—12 , e.g. lysergic acid		analogues thereof [6, 2006.01]
	(compounds of the cyclic peptide type derived from ergotamane C07D 519/02) [2, 2006.01]	463/20	• • • • with the acylating radicals further
			substituted by hetero atoms or by carbon atoms having three bonds to hetero atoms
	Note(s) [5]		with at the most one bond to
	The numbering may be different according to the RING		halogen [6, 2006.01]
	10b 10c N4	463/22	• • • • • further substituted by nitrogen
	[10a]		atoms [6, 2006.01]
457/00	INDEX and given by the formula: 6 .	471/00	Heterocyclic compounds containing nitrogen atoms
457/02	 with hydrocarbon or substituted hydrocarbon radicals, attached in position 8 [2, 2006.01] 		as the only ring hetero atoms in the condensed system, at least one ring being a six-membered ring
457/04	 with carbon atoms having three bonds to hetero 		with one nitrogen atom, not provided for by groups
	atoms with at the most one bond to halogen, e.g. ester		C07D 451/00-C07D 463/00 [2, 5, 2006.01]
	or nitrile radicals, directly attached in position 8 [2, 2006.01]	471/02	• in which the condensed system contains two hetero
457/06	• Lysergic acid amides [2, 2006.01]	471/04	rings [2, 2006.01] Ortho-condensed systems [2, 5, 2006.01]
457/08	• • in which the amide nitrogen is a member of a	471/04	 Peri-condensed systems [2, 2006.01]
	heterocyclic ring [2, 2006.01]	471/08	• • Bridged systems [2, 2006.01]
457/10	• with hetero atoms directly attached in position	471/10	• • Spiro-condensed systems [2, 2006.01]
	8 [2, 2006.01]		

471/12	• in which the condensed system contains three hetero rings [2, 2006.01]	477/00	Heterocyclic compounds containing 1-azabicyclo [3.2.0] heptane ring systems, i.e. compounds
471/14	 Ortho-condensed systems [2, 2006.01] 		$C_{\overline{6}}$ $C_{\overline{5}}$ $C_{\overline{4}}$ $C_{\overline{5}}$
471/16	 Peri-condensed systems [2, 2006.01] 		$\begin{bmatrix} 1 & 1 & 2 \\ 7 & 1 & 2 \end{bmatrix}$
471/18	 Bridged systems [2, 2006.01] 		containing a ring system of the formula: C-NC,
471/20	 Spiro-condensed systems [2, 2006.01] 		e.g. carbapenicillins, thienamycins; Such ring
471/22	in which the condensed systems contains four or		systems being further condensed, e.g. 2,3-condensed
	more hetero rings [2, 2006.01]	4== 400	with an oxygen-, nitrogen- or sulfur-containing hetero ring [5, 2006.01]
473/00	Heterocyclic compounds containing purine ring systems [2, 2006.01]	477/02	• Preparation (by microbiological processes C12P 17/18) [6, 2006.01]
473/02	 with oxygen, sulfur, or nitrogen atoms directly attached in positions 2 and 6 [2, 2006.01] 	477/04	• • by forming the ring or condensed ring systems [6, 2006.01]
473/04	 two oxygen atoms [2, 2006.01] 	477/06	from compounds already containing the ring or
473/06	• • with radicals containing only hydrogen and carbon atoms, attached in position 1 or		condensed ring systems, e.g. by dehydrogenation of the ring, by introduction, elimination or modification of substituents [6, 2006.01]
	3 [2, 2006.01]	477/08	• • Modification of a carboxyl group directly
473/08	• • • with methyl radicals in positions 1 and 3, e.g. theophylline [2, 2006.01]	4///00	attached in position 2, e.g. esterification [6, 2006.01]
473/10	• • • with methyl radicals in positions 3 and 7, e.g. theobromine [2, 2006.01]	477/10	with hydrogen atoms, hydrocarbon or substituted hydrocarbon radicals, directly attached in position 4,
473/12	• • • with methyl radicals in positions 1, 3, and 7, e.g. caffeine [2, 2006.01]		and with a carbon atom having three bonds to hetero atoms with at the most one bond to halogen, e.g. an
473/14	• • • with two methyl radicals in positions 1 and 3 and two methyl radicals in positions 7, 8, or		ester or nitrile radical, directly attached in position 2 [6, 2006.01]
	9 [2, 2006.01]	477/12	 with hydrogen atoms, hydrocarbon or substituted
473/16	• • two nitrogen atoms [2, 2006.01]	4///12	hydrocarbon radicals, attached in position
473/18	• • one oxygen and one nitrogen atom, e.g. guanine [2, 2006.01]	477/14	6 [6, 2006.01] • • with hydrogen atoms, hydrocarbon or
473/20	• • two sulfur atoms [2, 2006.01]	4///14	substituted hydrocarbon radicals, attached in
473/22	one oxygen and one sulfur atom [2, 2006.01]		position 3 [6, 2006.01]
473/24	 one nitrogen and one sulfur atom [2, 2006.01] 	477/16	• • • with hetero atoms or carbon atoms having three
473/24	with an oxygen, sulfur, or nitrogen atom directly	4///10	bonds to hetero atoms with at the most one
4/3/20	attached in position 2 or 6, but not in		bond to halogen, e.g. an ester or nitrile radical,
	both [2, 2006.01]		directly attached in position 3 [6, 2006.01]
473/28	• • Oxygen atom [2, 2006.01]	477/18	• • • • Oxygen atoms [6, 2006.01]
473/30	• • attached in position 6, e.g.	477/20	• • • • Sulfur atoms [6, 2006.01]
4/3/30	hypoxanthine [2, 2006.01]	477/22	• • • • Nitrogen atoms [6, 2006.01]
473/32	• • Nitrogen atom [2, 2006.01]	477/24	with hetero atoms or carbon atoms having three
473/34	 attached in position 6, e.g. adenine [2, 2006.01] 	4///24	bonds to hetero atoms with at the most one bond
473/34	• • Sulfur atom [2, 2006.01]		to halogen, e.g. an ester or nitrile radical, directly
			attached in position 6 [6, 2006.01]
473/38	• • • attached in position 6 [2, 2006.01]	477/26	with hetero atoms or carbon atoms having three
473/40	 with halogen atoms or perhalogeno-alkyl radicals directly attached in position 2 or 6 [2, 2006.01] 	177720	bonds to hetero atoms with at the most one bond to halogen, e.g. an ester or nitrile radical, directly
475/00	Heterocyclic compounds containing pteridine ring		attached in position 4 [6, 2006.01]
47F /OD	systems [2, 2006.01]	487/00	Heterocyclic compounds containing nitrogen atoms
475/02	• with an oxygen atom directly attached in position		as the only ring hetero atoms in the condensed
475/04	 4 [2, 2006.01] with a nitrogen atom directly attached in position 		system, not provided for by groups C07D 451/00- C07D 477/00 [2, 5, 2006.01]
475/06	2 [2, 2006.01]with a nitrogen atom directly attached in position	487/02	 in which the condensed system contains two hetero rings [2, 2006.01]
485 /00	4 [2, 2006.01]	487/04	 Ortho-condensed systems [2, 5, 2006.01]
475/08	• • with a nitrogen atom directly attached in position	487/06	• • Peri-condensed systems [2, 2006.01]
475 /40	2 [2, 2006.01]	487/08	• • Bridged systems [2, 2006.01]
475/10	 with an aromatic or hetero-aromatic ring directly attached in position 2 [2, 2006.01] 	487/10	 Spiro-condensed systems [2, 2006.01]
475/12	 containing pteridine ring systems condensed with 	487/12	• in which the condensed system contains three hetero rings [2, 2006.01]
455 / * *	carbocyclic rings or ring systems [3, 2006.01]	487/14	 Ortho-condensed systems [2, 2006.01]
475/14	• • Benz [g] pteridines, e.g. riboflavin [3, 2006.01]	487/14	 Peri-condensed systems [2, 2006.01]
		487/18	 Bridged systems [2, 2006.01]
		487/18	 Spiro-condensed systems [2, 2006.01]
		487/22	 in which the condensed system contains four or more hetero rings [2, 2006.01]

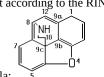
489/00 Heterocyclic compounds containing 4aH-8, 9 c-Iminoethano-phenanthro [4, 5-b, c, d] furan ring systems, e.g. derivatives of [4, 5-epoxy]-morphinan of

7 NH 9 H 12 13 5 [2, 2006.01]

the formula:

Note(s) [5]

The numbering may be different according to the RING



INDEX and given by the formula:

- with oxygen atoms attached in positions 3 and 6, e.g. morphine, morphinone [2, 2006.01]
- 489/04 • Salts; Organic complexes [2, 2006.01]
- 489/06 with a hetero atom directly attached in position 14 [2, 2006.01]
- 489/08 • Oxygen atom **[2, 2006.01]**
- 489/09 containing 4aH-8, 9 c-Iminoethano- phenanthro [4, 5-b, c, d] furan ring systems condensed with carbocyclic rings or ring systems [3, 2006.01]
- 489/10 with a bridge between positions 6 and 14 [2, 3, 2006.01]
- 489/12 • the bridge containing only two carbon atoms [2, 3, 2006.01]
- 491/00 Heterocyclic compounds containing in the condensed ring system both one or more rings having oxygen atoms as the only ring hetero atoms and one or more rings having nitrogen atoms as the only ring hetero atoms, not provided for by groups C07D 451/00-C07D 459/00, C07D 463/00, C07D 477/00 or C07D 489/00 [2, 2006.01]
- in which the condensed system contains two hetero rings [2, 2006.01]
- 491/04 • Ortho-condensed systems [2, 2006.01]
- 491/044 • with only one oxygen atom as ring hetero atom in the oxygen-containing ring [3, 2006.01]
- 491/048 • the oxygen-containing ring being fivemembered [3, 2006.01]
- 491/052 • • the oxygen-containing ring being sixmembered [3, 2006.01]
- 491/056 • with two or more oxygen atoms as ring hetero atoms in the oxygen-containing ring [3, 2006.01]
- 491/06 Peri-condensed systems [2, 2006.01]
- 491/08 • Bridged systems **[2, 2006.01]**
- 491/10 • Spiro-condensed systems [2, 2006.01]
- 491/107 • with only one oxygen atom as ring hetero atom in the oxygen-containing ring [3, 2006.01]
- 491/113 • with two or more oxygen atoms as ring hetero atoms in the oxygen-containing ring [3, 2006.01]
- 491/12 in which the condensed system contains three hetero rings [2, 2006.01]
- 491/14 • Ortho-condensed systems [2, 2006.01]
- 491/147 • the condensed system containing one ring with oxygen as ring hetero atom and two rings with nitrogen as ring hetero atom [3, 2006.01]
- 491/153 • the condensed system containing two rings with oxygen as ring hetero atom and one ring with nitrogen as ring hetero atom [3, 2006.01]

- 491/16 Peri-condensed systems [2, 2006.01]
- 491/18 • Bridged systems [2, 2006.01]
- 491/20 • Spiro-condensed systems [2, 2006.01]
- 491/22 in which the condensed system contains four or more hetero rings [2, 2006.01]

493/00 Heterocyclic compounds containing oxygen atoms as the only ring hetero atoms in the condensed system [2, 2006.01]

- 493/02 in which the condensed system contains two hetero rings [2, 2006.01]
- 493/04 Ortho-condensed systems [2, 2006.01]
- 493/06 • Peri-condensed systems [2, 2006.01]
- 493/08 • Bridged systems [2, 2006.01]
- 493/10 • Spiro-condensed systems [2, 2006.01]
- in which the condensed system contains three hetero rings [2, 2006.01]
- 493/14 • Ortho-condensed systems [2, 2006.01]
- 493/16 • Peri-condensed systems [2, 2006.01]
- 493/18 • Bridged systems [2, 2006.01]
- 493/20 • Spiro-condensed systems **[2, 2006.01]**
- 493/22 in which the condensed system contains four or more hetero rings [2, 2006.01]

495/00 Heterocyclic compounds containing in the condensed system at least one hetero ring having sulfur atoms as the only ring hetero atoms [2, 2006.01]

- 495/02 in which the condensed system contains two hetero rings [2, 2006.01]
- 495/04 • Ortho-condensed systems **[2, 2006.01]**
- 495/06 Peri-condensed systems [2, 2006.01]
- 495/08 • Bridged systems [2, 2006.01]
- 495/10 • Spiro-condensed systems **[2, 2006.01]**
- in which the condensed system contains three hetero rings [2, 2006.01]
- 495/14 • Ortho-condensed systems [2, 2006.01]
- 495/16 • Peri-condensed systems **[2, 2006.01]**
- 495/18 • Bridged systems [2, 2006.01]
- 495/20 • Spiro-condensed systems **[2, 2006.01]**
- 495/22 in which the condensed system contains four or more hetero rings [2, 2006.01]

497/00 Heterocyclic compounds containing in the condensed system at least one hetero ring having oxygen and sulfur atoms as the only ring hetero atoms [2, 2006.01]

- 497/02 in which the condensed system contains two hetero rings [2, 2006.01]
- 497/04 • Ortho-condensed systems [2, 2006.01]
- 497/06 Peri-condensed systems **[2, 2006.01]**
- 497/08 • Bridged systems [2, 2006.01]
- 497/10 • Spiro-condensed systems **[2, 2006.01]**
- 497/12 in which the condensed system contains three hetero rings **[2, 2006.01]**
- 497/14 • Ortho-condensed systems [2, 2006.01]
- 497/16 Peri-condensed systems **[2, 2006.01]**
- 497/18 • Bridged systems [2, 2006.01]
- 497/20 • Spiro-condensed systems [2, 2006.01]
- 497/22 in which the condensed system contains four or more hetero rings [2, 2006.01]

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498/00	Heterocyclic compounds containing in the condensed system at least one hetero ring having nitrogen and oxygen atoms as the only ring hetero atoms (4-oxa-1-	499/44	•	•	Compounds with an amino radical acylated by carboxylic acids, attached in position 6 [2, 2006.01]
	azabicyclo [3.2.0] heptanes, e.g. oxapenicillins	499/46			 with acyclic hydrocarbon radicals or such
	C07D 503/00; 5-oxa-1-azabicyclo [4.2.0] octanes, e.g.	433740			radicals substituted by carbocyclic or
	oxacephalosporins C07D 505/00; analogues thereof				heterocyclic rings, attached to the carboxamido
	having ring oxygen atoms in other position				radical [2, 2006.01]
	C07D 507/00) [2, 6, 2006.01]	499/48			• with a carbon chain, substituted by hetero
498/02	• in which the condensed system contains two hetero	433740			atoms or by carbon atoms having three bonds to
	rings [2, 2006.01]				hetero atoms with at the most one bond to
498/04	• • Ortho-condensed systems [2, 2006.01]				halogen, e.g. ester or nitrile radicals, attached to
498/06	• • Peri-condensed systems [2, 2006.01]				the carboxamido radical [2, 2006.01]
498/08	• • Bridged systems [2, 2006.01]	499/50			 substituted in beta-position to the
498/10	 Spiro-condensed systems [2, 2006.01] 	133730			carboxamido radical [2, 2006.01]
	-	499/52			• • • by oxygen or sulfur atoms [2, 2006.01]
498/12	• in which the condensed system contains three hetero	499/54			• • • by nitrogen atoms [2, 2006.01]
400 / 1.4	rings [2, 2006.01]	499/56			• • • by carbon atoms having three bonds to
498/14	• • Ortho-condensed systems [2, 2006.01]	433730	•	·	hetero atoms with at the most one bond to
498/16	• Peri-condensed systems [2, 2006.01]				halogen [2, 2006.01]
498/18	• • Bridged systems [2, 2006.01]	499/58			 substituted in alpha-position to the
498/20	• • Spiro-condensed systems [2, 2006.01]	433730			carboxamido radical [2, 2006.01]
498/22	• in which the condensed system contains four or more	499/60			• • • by oxygen atoms [2, 2006.01]
	hetero rings [2, 2006.01]	499/62			• • • by sulfur atoms [2, 2006.01]
499/00	Heterocyclic compounds containing 4-thia-1-	499/64			• • • by nitrogen atoms [2, 2006.01]
499/00	azabicyclo [3.2.0] heptane ring systems, i.e.	499/66	•	•	
	compounds containing a ring system of the formula:	499/00	٠	٠	• • • with alicyclic rings as additional substituents on the carbon
					chain [2, 2006.01]
	C-C543C	499/68			• • • • with aromatic rings as additional
	$C^{\frac{1}{7}} N^{\frac{1}{1}} C^{\frac{2}{7}}$, e.g. penicillins, penems; Such ring	4337 00			substituents on the carbon
	systems being further condensed, e.g. 2,3-condensed				chain [2, 2006.01]
	with an oxygen-, nitrogen- or sulfur-containing	499/70	•	•	• • • with hetero rings as additional
	hetero ring [2, 2006.01]				substituents on the carbon
499/04	• Preparation [2, 6, 2006.01]				chain [2, 2006.01]
499/06	 by forming the ring or condensed ring systems (by 	499/72	•	•	 • by carbon atoms having three bonds to
	microbiological processes				hetero atoms [2, 2006.01]
	C12P 37/00) [2, 6, 2006.01]	499/74	•	•	 with carbocyclic rings directly attached to the
499/08	 Modification of a carboxyl radical directly 				carboxamido radical [2, 2006.01]
	attached in position 2, e.g.	499/76	•	•	 with hetero rings directly attached to the
	esterification [2, 6, 2006.01]				carboxamido radical [2, 2006.01]
499/10	Modification of an amino radical directly attached	499/78	•	•	Compounds with an amino radical, acylated by
	in position 6 [2, 6, 2006.01]				carbonic acid, or by nitrogen or sulfur analogues
499/12	• • • Acylation [2, 6, 2006.01]	400 /00			thereof, attached in position 6 [2, 2006.01]
499/14	 Preparation of salts [2, 6, 2006.01] 	499/80	•	•	Compounds with a nitrogen-containing hetero
499/16	• • of alkali or alkaline earth metals [2, 6, 2006.01]				ring, attached with the ring nitrogen atom in position 6 [2, 2006.01]
499/18	• • Separation; Purification [2, 6, 2006.01]	400 / 96	_	٠.	vith only atoms other than nitrogen atoms directly
499/20	• • <u>via</u> salts with organic bases [2, 6, 2006.01]	499/86	٠		ttached in position 6 and a carbon atom having three
499/21	 with a nitrogen atom directly attached in position 6 				onds to hetero atoms with at the most one bond to
	and a carbon atom having three bonds to hetero				alogen, e.g. an ester or nitrile radical, directly
	atoms with at the most one bond to halogen, e.g. an				ttached in position 2 [5, 6, 2006.01]
	ester or nitrile radical, directly attached in position	499/861	•		with a hydrocarbon radical or a substituted
100 100	2 [6, 2006.01]	100,000			hydrocarbon radical, directly attached in position
499/22	• Salts with organic bases; Complexes with organic				6 [6, 2006.01]
400 /24	compounds [2, 2006.01]	499/865	•	•	with hetero atoms or with carbon atoms having
499/24	 • • with acyclic or carbocyclic compounds containing amino radicals [2, 2006.01] 				three bonds to hetero atoms with at the most one
400 / 26					bond to halogen, e.g. an ester or nitrile radical,
499/26	• • • with heterocyclic compounds [2, 2006.01]				directly attached in position 6 [6, 2006.01]
499/28	• • with modified 2-carboxyl group [2, 2006.01]	499/87	•		Compounds being unsubstituted in position 3 or with
499/30	• • • Acid anhydride [2, 2006.01]				ubstituents other than only two methyl radicals
499/32	• • Esters [2, 2006.01]				ttached in position 3, and with a carbon atom having
499/34	• • Thio-acid; Esters thereof [2, 2006.01]				nree bonds to hetero atoms with at the most one
499/36	• • • <u>O</u> -esters [2, 2006.01]				ond to halogen, e.g. an ester or nitrile radical, irectly attached in position 2 [6, 2006.01]
499/38	• • • <u>S</u> -esters [2, 2006.01]	499/88			Compounds with a double bond between positions 2
499/40	• • • Amides; Hydrazides; Azides [2, 2006.01]	→ 33/00	•		nd 3 and a carbon atom having three bonds to hetero
499/42	Compounds with a free primary amino radical				toms with at the most one bond to halogen, e.g. an
	attached in position 6 [2, 2006.01]				ster or nitrile radical, directly attached in position
					[5, 6, 2006.01]

499/881	 with a hydrogen atom or an unsubstituted hydrocarbon radical, attached in position 3 [6, 2006.01] 	501/32	• • • • • with the 7-amino radical acylated by an araliphatic carboxylic acid, which is substituted on the aliphatic radical by
499/883	 with a substituted hydrocarbon radical attached in position 3 [6, 2006.01] 	501/34	hetero atoms [2, 2006.01] • • • • • with the 7-amino radical acylated by
499/887	 with a hetero atom or a carbon atom having three bonds to hetero atoms with at the most one bond 		carboxylic acids containing hetero rings [2, 2006.01]
	to halogen, e.g. an ester or nitrile radical, directly attached in position 3 [6, 2006.01]	501/36	• • • • Methylene radicals, substituted by sulfur atoms [2, 2006.01]
499/893	• • with a hetero ring or a condensed hetero ring system, directly attached in position 3 [6, 2006.01]	501/38	• • • • • Methylene radicals, substituted by nitrogen atoms; Lactams thereof with the
499/897	 Compounds with substituents other than a carbon atom having three bonds to hetero atoms with at the most one bond to halogen, directly attached in position 2 [6, 2006.01] 		2-carboxyl group; Methylene radicals substituted by nitrogen-containing hetero rings attached by the ring nitrogen atom; Quaternary compounds
499/90	 further condensed with carbocyclic rings or ring systems [5, 2006.01] 	501/40	thereof [2, 2006.01] • • • • • with the 7-amino radical acylated by an aliphatic carboxylic acid, which is
501/00	Heterocyclic compounds containing 5-thia-1-azabicyclo [4.2.0] octane ring systems, i.e.		substituted by hetero atoms [2, 2006.01]
	compounds containing a ring system of the formula:	501/42	• • • • • with the 7-amino radical acylated by
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		an araliphatic carboxylic acid [2, 2006.01]
	, e.g. cephalosporins; Such ring systems	501/44	• • • • • with the 7-amino radical acylated by
	being further condensed, e.g. 2,3-condensed with an oxygen-, nitrogen- or sulfur-containing hetero ring [2, 2006.01]		an araliphatic carboxylic acid, which is substituted on the aliphatic radical by hetero atoms [2, 2006.01]
501/02	• Preparation [2, 2006.01]	501/46	• • • • • with the 7-amino radical acylated by
501/04	from compounds already containing the ring or condensed ring systems, e.g. by dehydrogenation		carboxylic acids containing hetero rings [2, 2006.01]
	of the ring, by introduction, elimination or modification of substituents [2, 2006.01]	501/48	 • • • • Methylene radicals, substituted by hetero rings (C07D 501/38-C07D 501/46 take precedence) [2, 2006.01]
501/06	• • • Acylation of 7-aminocephalosporanic acid [2, 2006.01]	501/50	• • • • • with the 7-amino radical acylated by an aliphatic carboxylic acid, which is
501/08	 by forming the ring or condensed ring systems (by microbiological processes 		substituted by hetero atoms [2, 2006.01]
501/10	 C12P 35/00) [2, 2006.01] • from compounds containing the penicillin ring system [2, 2006.01] 	501/52	• • • • • with the 7-amino radical acylated by an araliphatic carboxylic acid [2, 2006.01]
501/12	• • Separation; Purification [2, 2006.01]	501/54	• • • • • with the 7-amino radical acylated by
501/14	• Compounds having a nitrogen atom directly attached in position 7 [2, 2006.01]	301731	an araliphatic carboxylic acid, which is substituted on the aliphatic radical by
501/16	• with a double bond between positions 2 and 3 [2, 2006.01]	501/56	hetero atoms [2, 2006.01] • • • • • with the 7-amino radical acylated by
501/18	• • • 7-Aminocephalosporanic or substituted 7-aminocephalosporanic acids [2, 2006.01]	301730	carboxylic acids containing hetero rings [2, 2006.01]
501/20	• • 7-Acylaminocephalosporanic or substituted 7-acylaminocephalosporanic acids in which the	501/57	• • • with a further substituent in position 7, e.g. cephamycines [3, 2006.01]
	acyl radicals are derived from carboxylic acids [2, 2006.01]	501/58	• • • with a nitrogen atom, which is a member of a hetero ring, attached in position 7 [2, 2006.01]
501/22	• • • with radicals containing only hydrogen and carbon atoms, attached in position	501/59	• • • with hetero atoms directly attached in position 3 [3, 2006.01]
501/24	3 [2, 2006.01] • • • with hydrocarbon radicals, substituted by	501/60	• • with a double bond between positions 3 and 4 [2, 2006.01]
	hetero atoms or hetero rings, attached in position 3 [2, 2006.01]	501/62	Compounds further condensed with a carbocyclic ring or ring system [3, 2006.01]
501/26	• • • • Methylene radicals, substituted by oxygen atoms; Lactones thereof with the 2-	503/00	Heterocyclic compounds containing 4-oxa-1-
501/28	carboxyl group [2, 2006.01] • • • • with the 7-amino radical acylated by	303,00	azabicyclo [3.2.0] heptane ring systems, i.e. compounds containing a ring system of the formula:
551, 20	an aliphatic carboxylic acid, which is substituted by hetero		$C_{\overline{6}} C_{\overline{5}} \stackrel{Q}{\stackrel{1}{\stackrel{3}{}{}{}{}{}{$
	atoms [2, 2006.01]		$\begin{bmatrix} \frac{1}{2} & \frac{1}{2} & \frac{2}{2} \\ \frac{1}{2} & \frac{2}{2} \end{bmatrix}$, e.g. oxapenicillins, clavulanic acid
501/30	• • • • • with the 7-amino-radical acylated by an araliphatic carboxylic acid [2, 2006.01]		derivatives; Such ring systems being further condensed, e.g. 2,3-condensed with an oxygen-, nitrogen- or sulfur-containing hetero ring [6, 2006.01]

503/02	• Preparation (by microbiological processes C12P 17/18) [6, 2006.01]	505/24	• • • • • • further substituted by doubly-bound nitrogen atoms [6, 2006.01]
503/04	 by forming the ring or condensed ring 	507/00	Heterocyclic compounds containing a condensed
502/06	systems [6, 2006.01]	507700	beta-lactam ring system, not provided for by groups
503/06	from compounds already containing the ring or		C07D 463/00, C07D 477/00 or C07D 499/00-
	condensed ring systems, e.g. by dehydrogenation		C07D 505/00; Such ring systems being further
	of the ring, by introduction, elimination or modification of substituents [6, 2006.01]		condensed [6, 2006.01]
E02/00		507/02	 containing 3-oxa-1-azabicyclo [3.2.0] heptane ring
503/08	 • Modification of a carboxyl group directly attached in position 2, e.g. 		systems [6, 2006.01]
	esterification [6, 2006.01]	507/04	 containing 2-oxa-1-azabicyclo [4.2.0] octane ring
503/10	with a carbon atom having three bonds to hetero		systems [6, 2006.01]
303/10	atoms with at the most one bond to halogen, e.g. an	507/06	 containing 3-oxa-1-azabicyclo [4.2.0] octane ring
	ester or nitrile radical, directly attached in position		systems [6, 2006.01]
	2 [6, 2006.01]	507/08	 containing 4-oxa-1-azabicyclo [4.2.0] octane ring
503/12	• • unsubstituted in position 6 [6, 2006.01]		systems [6, 2006.01]
503/14	• • with hydrogen atoms, hydrocarbon or		
	substituted hydrocarbon radicals, other than a	513/00	Heterocyclic compounds containing in the condensed
	carbon atom having three bonds to hetero atoms		system at least one hetero ring having nitrogen and
	with at the most one bond to halogen, attached		sulfur atoms as the only ring hetero atoms, not provided for in groups C07D 463/00, C07D 477/00 or
	in position 3 [6, 2006.01]		C07D 499/00-C07D 507/00 [2, 6, 2006.01]
503/16	 Radicals substituted by hetero atoms or by 	513/02	• in which the condensed system contains two hetero
	carbon atoms having three bonds to hetero	515/02	rings [2, 2006.01]
	atoms with at the most one bond to halogen,	513/04	 Ortho-condensed systems [2, 2006.01]
=00/40	e.g. an ester or nitrile radical [6, 2006.01]	513/06	 Peri-condensed systems [2, 2006.01]
503/18	• • • • by oxygen atoms [6, 2006.01]	513/08	 Bridged systems [2, 2006.01]
503/20	• • • • by sulfur atoms [6, 2006.01]	513/00	 Spiro-condensed systems [2, 2006.01]
503/22	• • • • by nitrogen atoms [6, 2006.01]	513/10	 in which the condensed system contains three hetero
505/00	Hetavaguelic compounds containing 5 ava 1	313/12	rings [2, 2006.01]
303/00	Heterocyclic compounds containing 5-oxa-1- azabicyclo [4.2.0] octane ring systems, i.e.	513/14	 Ortho-condensed systems [2, 2006.01]
	compounds containing a ring system of the formula:	513/14	 Peri-condensed systems [2, 2006.01]
	S S O S	513/18	 Bridged systems [2, 2006.01]
		513/10	 Spiro-condensed systems [2, 2006.01]
	Ċ*\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	513/20	 in which the condensed systems [2, 2000.01] in which the condensed system contains four or more
	, e.g. oxacephalosporins; Such ring systems being further condensed, e.g. 2,3-condensed	313/22	hetero rings [2, 2006.01]
	with an oxygen-, nitrogen- or sulfur-containing		netero rings (2, 2000,01)
	hetero ring [6, 2006.01]	515/00	Heterocyclic compounds containing in the condensed
505/02	Preparation (by microbiological processes		system at least one hetero ring having nitrogen,
	C12P 17/18) [6, 2006.01]		oxygen, and sulfur atoms as the only ring hetero
505/04	 by forming the ring or condensed ring 		atoms, not provided for in groups C07D 463/00,
	systems [6, 2006.01]		C07D 477/00 or C07D 499/00- C07D 507/00 [2, 2006.01]
505/06	 from compounds already containing the ring or 	515/02	• in which the condensed system contains two hetero
	condensed ring systems, e.g. by dehydrogenation	313/02	rings [2, 2006.01]
	of the ring, by introduction, elimination or	515/04	 Ortho-condensed systems [2, 2006.01]
	modification of substituents [6, 2006.01]	515/04	 Peri-condensed systems [2, 2006.01]
505/08	Modification of a carboxyl group directly	515/08	 Bridged systems [2, 2006.01]
	attached in position 2, e.g.	515/00	 Spiro-condensed systems [2, 2006.01]
EOE /10	esterification [6, 2006.01]	515/10	 in which the condensed systems (2, 2000.01) in which the condensed system contains three hetero
505/10	 with a carbon atom having three bonds to hetero 	313/12	rings [2, 2006.01]
	atoms with at the most one bond to halogen, a gran		
	atoms with at the most one bond to halogen, e.g. an	515/14	-
	ester or nitrile radical, directly attached in position	515/14 515/16	• • Ortho-condensed systems [2, 2006.01]
505/12	ester or nitrile radical, directly attached in position 2 [6, 2006.01]	515/16	Ortho-condensed systems [2, 2006.01]Peri-condensed systems [2, 2006.01]
505/12 505/14	ester or nitrile radical, directly attached in position 2 [6, 2006.01] • substituted in position 7 [6, 2006.01]	515/16 515/18	 Ortho-condensed systems [2, 2006.01] Peri-condensed systems [2, 2006.01] Bridged systems [2, 2006.01]
505/12 505/14	ester or nitrile radical, directly attached in position 2 [6, 2006.01] • substituted in position 7 [6, 2006.01] • with hetero atoms directly attached in position	515/16 515/18 515/20	 Ortho-condensed systems [2, 2006.01] Peri-condensed systems [2, 2006.01] Bridged systems [2, 2006.01] Spiro-condensed systems [2, 2006.01]
505/14	 ester or nitrile radical, directly attached in position 2 [6, 2006.01] • substituted in position 7 [6, 2006.01] • with hetero atoms directly attached in position 7 [6, 2006.01] 	515/16 515/18	 Ortho-condensed systems [2, 2006.01] Peri-condensed systems [2, 2006.01] Bridged systems [2, 2006.01] Spiro-condensed systems [2, 2006.01] in which the condensed system contains four or more
	ester or nitrile radical, directly attached in position 2 [6, 2006.01] • substituted in position 7 [6, 2006.01] • with hetero atoms directly attached in position 7 [6, 2006.01] • • Nitrogen atoms [6, 2006.01]	515/16 515/18 515/20	 Ortho-condensed systems [2, 2006.01] Peri-condensed systems [2, 2006.01] Bridged systems [2, 2006.01] Spiro-condensed systems [2, 2006.01]
505/14 505/16	ester or nitrile radical, directly attached in position 2 [6, 2006.01] • substituted in position 7 [6, 2006.01] • with hetero atoms directly attached in position 7 [6, 2006.01] • Nitrogen atoms [6, 2006.01]	515/16 515/18 515/20	 Ortho-condensed systems [2, 2006.01] Peri-condensed systems [2, 2006.01] Bridged systems [2, 2006.01] Spiro-condensed systems [2, 2006.01] in which the condensed system contains four or more hetero rings [2, 2006.01] Heterocyclic compounds containing in the condensed
505/14 505/16	ester or nitrile radical, directly attached in position 2 [6, 2006.01] • substituted in position 7 [6, 2006.01] • with hetero atoms directly attached in position 7 [6, 2006.01] • Nitrogen atoms [6, 2006.01] • • further acylated by radicals derived from	515/16 515/18 515/20 515/22	 Ortho-condensed systems [2, 2006.01] Peri-condensed systems [2, 2006.01] Bridged systems [2, 2006.01] Spiro-condensed systems [2, 2006.01] in which the condensed system contains four or more hetero rings [2, 2006.01] Heterocyclic compounds containing in the condensed system at least one hetero ring having selenium,
505/14 505/16	ester or nitrile radical, directly attached in position 2 [6, 2006.01] • substituted in position 7 [6, 2006.01] • with hetero atoms directly attached in position 7 [6, 2006.01] • Nitrogen atoms [6, 2006.01] • • further acylated by radicals derived from carboxylic acids or by nitrogen or sulfur analogues thereof [6, 2006.01] • • • • with the acylating radicals further	515/16 515/18 515/20 515/22	 Ortho-condensed systems [2, 2006.01] Peri-condensed systems [2, 2006.01] Bridged systems [2, 2006.01] Spiro-condensed systems [2, 2006.01] in which the condensed system contains four or more hetero rings [2, 2006.01] Heterocyclic compounds containing in the condensed system at least one hetero ring having selenium, tellurium, or halogen atoms as ring hetero
505/14 505/16 505/18	ester or nitrile radical, directly attached in position 2 [6, 2006.01] • substituted in position 7 [6, 2006.01] • with hetero atoms directly attached in position 7 [6, 2006.01] • Nitrogen atoms [6, 2006.01] • • further acylated by radicals derived from carboxylic acids or by nitrogen or sulfur analogues thereof [6, 2006.01] • • • • with the acylating radicals further substituted by hetero atoms or by	515/16 515/18 515/20 515/22 517/00	 Ortho-condensed systems [2, 2006.01] Peri-condensed systems [2, 2006.01] Bridged systems [2, 2006.01] Spiro-condensed systems [2, 2006.01] in which the condensed system contains four or more hetero rings [2, 2006.01] Heterocyclic compounds containing in the condensed system at least one hetero ring having selenium, tellurium, or halogen atoms as ring hetero atoms [2, 2006.01]
505/14 505/16 505/18	ester or nitrile radical, directly attached in position 2 [6, 2006.01] • substituted in position 7 [6, 2006.01] • with hetero atoms directly attached in position 7 [6, 2006.01] • Nitrogen atoms [6, 2006.01] • • further acylated by radicals derived from carboxylic acids or by nitrogen or sulfur analogues thereof [6, 2006.01] • • • with the acylating radicals further substituted by hetero atoms or by carbon atoms having three bonds to	515/16 515/18 515/20 515/22	 Ortho-condensed systems [2, 2006.01] Peri-condensed systems [2, 2006.01] Bridged systems [2, 2006.01] Spiro-condensed systems [2, 2006.01] in which the condensed system contains four or more hetero rings [2, 2006.01] Heterocyclic compounds containing in the condensed system at least one hetero ring having selenium, tellurium, or halogen atoms as ring hetero atoms [2, 2006.01] in which the condensed system contains two hetero
505/14 505/16 505/18	ester or nitrile radical, directly attached in position 2 [6, 2006.01] • substituted in position 7 [6, 2006.01] • with hetero atoms directly attached in position 7 [6, 2006.01] • Nitrogen atoms [6, 2006.01] • • further acylated by radicals derived from carboxylic acids or by nitrogen or sulfur analogues thereof [6, 2006.01] • • • • with the acylating radicals further substituted by hetero atoms or by carbon atoms having three bonds to hetero atoms with at the most one bond	515/16 515/18 515/20 515/22 517/00	 Ortho-condensed systems [2, 2006.01] Peri-condensed systems [2, 2006.01] Bridged systems [2, 2006.01] Spiro-condensed systems [2, 2006.01] in which the condensed system contains four or more hetero rings [2, 2006.01] Heterocyclic compounds containing in the condensed system at least one hetero ring having selenium, tellurium, or halogen atoms as ring hetero atoms [2, 2006.01] in which the condensed system contains two hetero rings [2, 2006.01]
505/14 505/16 505/18 505/20	ester or nitrile radical, directly attached in position 2 [6, 2006.01] • substituted in position 7 [6, 2006.01] • with hetero atoms directly attached in position 7 [6, 2006.01] • Nitrogen atoms [6, 2006.01] • • further acylated by radicals derived from carboxylic acids or by nitrogen or sulfur analogues thereof [6, 2006.01] • • • • with the acylating radicals further substituted by hetero atoms or by carbon atoms having three bonds to hetero atoms with at the most one bond to halogen [6, 2006.01]	515/16 515/18 515/20 515/22 517/00 517/02 517/04	 Ortho-condensed systems [2, 2006.01] Peri-condensed systems [2, 2006.01] Bridged systems [2, 2006.01] Spiro-condensed systems [2, 2006.01] in which the condensed system contains four or more hetero rings [2, 2006.01] Heterocyclic compounds containing in the condensed system at least one hetero ring having selenium, tellurium, or halogen atoms as ring hetero atoms [2, 2006.01] in which the condensed system contains two hetero rings [2, 2006.01] Ortho-condensed systems [2, 2006.01]
505/14 505/16 505/18	ester or nitrile radical, directly attached in position 2 [6, 2006.01] • substituted in position 7 [6, 2006.01] • with hetero atoms directly attached in position 7 [6, 2006.01] • Nitrogen atoms [6, 2006.01] • • further acylated by radicals derived from carboxylic acids or by nitrogen or sulfur analogues thereof [6, 2006.01] • • • • with the acylating radicals further substituted by hetero atoms or by carbon atoms having three bonds to hetero atoms with at the most one bond to halogen [6, 2006.01] • • • • • further substituted by singly-bound	515/16 515/18 515/20 515/22 517/00 517/02 517/04 517/06	 Ortho-condensed systems [2, 2006.01] Peri-condensed systems [2, 2006.01] Bridged systems [2, 2006.01] Spiro-condensed systems [2, 2006.01] in which the condensed system contains four or more hetero rings [2, 2006.01] Heterocyclic compounds containing in the condensed system at least one hetero ring having selenium, tellurium, or halogen atoms as ring hetero atoms [2, 2006.01] in which the condensed system contains two hetero rings [2, 2006.01] Ortho-condensed systems [2, 2006.01] Peri-condensed systems [2, 2006.01]
505/14 505/16 505/18 505/20	ester or nitrile radical, directly attached in position 2 [6, 2006.01] • substituted in position 7 [6, 2006.01] • with hetero atoms directly attached in position 7 [6, 2006.01] • Nitrogen atoms [6, 2006.01] • • further acylated by radicals derived from carboxylic acids or by nitrogen or sulfur analogues thereof [6, 2006.01] • • • • with the acylating radicals further substituted by hetero atoms or by carbon atoms having three bonds to hetero atoms with at the most one bond to halogen [6, 2006.01]	515/16 515/18 515/20 515/22 517/00 517/02 517/04	 Ortho-condensed systems [2, 2006.01] Peri-condensed systems [2, 2006.01] Bridged systems [2, 2006.01] Spiro-condensed systems [2, 2006.01] in which the condensed system contains four or more hetero rings [2, 2006.01] Heterocyclic compounds containing in the condensed system at least one hetero ring having selenium, tellurium, or halogen atoms as ring hetero atoms [2, 2006.01] in which the condensed system contains two hetero rings [2, 2006.01] Ortho-condensed systems [2, 2006.01]

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517/10	
	 Spiro-condensed systems [2, 2006.01]
517/12	• in which the condensed system contains three hetero
	rings [2, 2006.01]
517/14	 Ortho-condensed systems [2, 2006.01]
517/16	 Peri-condensed systems [2, 2006.01]
517/18	• • Bridged systems [2, 2006.01]
517/20	 Spiro-condensed systems [2, 2006.01]
517/22	• in which the condensed system contains four or more
	hetero rings [2, 2006.01]
519/00	Heterocyclic compounds containing more than one system of two or more relevant hetero rings condensed among themselves or condensed with a common carbocyclic ring system not provided for in
	groups C07D 453/00 or C07D 455/00 [2, 2006.01]
519/02	 groups C07D 453/00 or C07D 455/00 [2, 2006.01] Ergot alkaloids of the cyclic peptide type [2, 2006.01]
519/02 519/04	•

521/00 Heterocyclic compounds containing unspecified hetero rings [2, 2006.01]

Note(s) [2009.01]

This group is only used for the classification of heterocyclic compounds the chemical structure of which are not specified, i.e. only in those cases where the heterocyclic compounds cannot be classified in any of groups C07D 201/00-C07D 519/00.