

This Class 514 is considered to be an integral part of Class 424 (see the Class 424 schedule for the position of this Class in schedule hierarchy). This Class retains all pertinent definitions and class lines of Class 424.

1       **DESIGNATED ORGANIC ACTIVE**

2       **INGREDIENT CONTAINING (DOAI)**

- 2       ..Peptide containing (e.g., protein, peptones, fibrinogen, etc.) DOAI
- 3       ..Insulin or derivative
- 4       ...With an additional active ingredient
- 5       ..Iodine containing
- 6       ..Heavy metal containing (e.g., hemoglobin, etc.)
- 7       ..Phosphorus containing
- 8       ..Glycoprotein (carbohydrate containing)
- 9       ..Cyclopeptides
- 10      ...Bicyclic
- 11      ...Monocyclic
- 12      ..25 or more peptide repeating units in known peptide chain structure
- 13      ..16 to 24 peptide repeating units in known peptide chain
- 14      ..12 to 15 peptide repeating units in known peptide chain
- 15      ..9 to 11 peptide repeating units in known peptide chain
- 16      ..7 or 8 peptide repeating units in known peptide chain
- 17      ..5 or 6 peptide repeating units in known peptide chain
- 18      ..3 or 4 peptide repeating units in known peptide chain
- 19      ..2 peptide repeating units in known peptide chain
- 20      ...Guanidine containing
- 21      ..Produced by or extracted from animal tissue
- 22      ..Lignin or derivative DOAI
- 23      ..Carbohydrate (i.e., saccharide radical containing) DOAI
- 24      ..S-glycoside
- 25      ..O-glycoside

- 26      ...Cyclopentano-phenanthrene ring system
- 27      ...Oxygen of the saccharide radical bonded directly to a nonsaccharide hetero ring or a polycyclo ring system which contains a nonsaccharide hetero ring
- 28      ...The hetero ring has 8 or more ring carbons
- 29      ....The hetero ring has exactly 13 ring carbons (e.g., erythromycin, etc.)
- 30      ....The hetero ring has exactly 15 ring carbons
- 31      ....The hetero ring has 20 or more ring carbons (e.g., nystatin, etc.)
- 32      ...Oxygen of the saccharide radical bonded to a nonsaccharide hetero ring by acyclic carbon bonding
- 33      ...Oxygen of the saccharide radical bonded directly to a polycyclo ring system of three or more carbocyclic rings
- 34      ...Oxygen of the saccharide radical bonded directly to a polycyclo ring system of four carbocyclic rings (e.g., daunomycin, etc.)
- 35      ...Oxygen of the saccharide radical bonded directly to a cyclohexyl ring
- 36      ...Two or more nitrogen atoms bonded directly to the cyclohexyl ring
- 37      ....The nitrogen atoms are in N-C(=N)-N groups (e.g., streptomycin, etc.)
- 38      ....Two saccharide radicals bonded through only oxygen to adjacent ring carbons of the cyclohexyl ring
- 39      .....Three or more saccharide radicals (e.g., neomycin, etc.)
- 40      ....Two saccharide radicals bonded through only oxygen to 4- and 6- positions of the cyclohexyl ring
- 41      .....Kanamycin or derivative
- 42      ..N-glycoside

43	...Nitrogen containing hetero ring	76	..Amine addition salt of organic phosphorus containing acid
44	....Polynucleotide (e.g., RNA, DNA, etc.)	77	..Inner salt (e.g., betaine, etc.)
45	....Purines (including hydrogenated) (e.g., adenine, guanine, etc.)	78	...Lecithins
46	.....Adenosine or derivative	79	..Nitrogen containing hetero ring
47	.....Phosphorus containing	80	...Polycylo ring system having a ring nitrogen in the system
48	.....Phosphorus containing	81	...Nonshared hetero atoms in at least two rings of the polycylo ring system
49	....Pyrimidines (including hydrogenated) (e.g., cytosine, etc.)	82	...Quinolinyl or isoquinolinyl (including hydrogenated)
50	.....2,4-diketone pyrimidine or derivative (e.g., uracil, etc.)	83	...Hetero ring is three-membered consisting of one nitrogen and two carbons
51	.....Phosphorus containing	84	...Hetero ring is six-membered consisting of three nitrogens and three carbons
52	....Phosphorus containing (e.g., Vitamin B12, etc.)	85	...Hetero ring is six-membered consisting of two nitrogens and four carbons
53	..Dissacharide	86	...Nitrogen atoms occupy 1 and 3- positions
54	..Polysaccharide	87	....PX- bonded directly to 1,3-diazine at 2- position (X is chalcogen)
55	..Chitin or derivative	88	....Two or more PX- groups attached to the same 1,3-diazine (X is chalcogen)
56	..Heparin or derivative	89	...Hetero ring is six-membered and includes only one ring nitrogen
57	..Cellulose or derivative	90	...Chalcogen in the six-membered hetero ring
58	..Dextrin or derivative	91	...Hetero ring is five-membered
59	..Dextran or derivative	92	...Two or more hetero atoms in the five-membered ring
60	..Starch or derivative	93	....Triazoles (including hydrogenated)
61	..Tri- or tetrasaccharide	94	....Diazoles (including hydrogenated)
62	..Glucosamine or derivative	95	..Sulfur containing hetero ring
63	..Silicon containing DOAI	96	...Polycylo ring system having the hetero ring as one of the cyclos
64	..Boron containing DOAI	97	...Two or more sulfurs in the hetero ring
65	..Pyrethrum plant derived material or plant derived rotenone compound containing DOAI	98	...Oxygen in the hetero ring
66	..With heterocyclic compound	99	..Oxygen containing hetero ring
67	..Methylenedioxyphenyl group containing (e.g., piperonyl butoxide, etc.)	100	...Polycylo ring system having the hetero ring as one of the cyclos
68	..With carboxylic acid ester		
69	..With carboxylic acid metal salt		
70	..With organic nitrogen containing compound		
71	...Sulfur containing organic nitrogen compound		
72	..With organic oxygen containing compound		
73	...Phosphorus or halogen containing organic oxygen compound		
74	..With hydrocarbon or halohydrocarbon		
75	..Phosphorus containing other than solely as part of an inorganic ion in an addition salt DOAI		

101	...Two or more oxygen in the hetero ring	126	..Sulfur not bonded directly to phosphorus
102	..Two or more phosphorus atoms directly or indirectly bonded together by only covalent bonds	127	...Thioether, sulfoxide or sulfone
103	...Phosphorus acid ester of polyhydric alcohol or thioalcohol (e.g., P-X-R-X-P group, etc., wherein X is chalcogen and R is the residue of the polyhydric alcohol or thioalcohol)	128	...Sulfur bonded directly to a benzene ring
104	....Benzene ring in the alcohol moiety	129	..Oxygen bonded directly to a carbon or hydrogen and wherein the oxygen is not bonded directly to phosphorus
105	..Phosphorus is part of a ring	130	...The oxygen is bonded directly to a benzene ring
106	...P-O-P or P-S-P containing (e.g., anhydrides, etc.)	131	..Nitro group bonded to a carbon
107	..Benzene ring containing	132	..Nitro group is directly bonded to a benzene ring which benzene ring is either bonded directly bonded to phosphorus or indirectly bonded to phosphorus through a chalcogen
108	..Acyclic and contains at least one carbon atom between the phosphorus atoms	133	....Two or more such benzene rings
109	..P-X-X containing (X is chalcogen)	134	..Acyclic carbon to carbon unsaturation
110	..Phosphorus is part of a ring	135	...Alkyne
111	...Polycyclo ring system having the phosphorus containing ring as one of the cyclos	136	...Phosphate ester having three ester groups (e.g., DDVP, etc.)
112	..Cyano or isocyano containing	137	..Nitrogen bonded directly to phosphorus
113	...Cyano or isocyano bonded directly to a benzene ring	138	...N-P-N or N-N-P containing
114	..Nitrogen, other than nitro or nitroso, bonded indirectly to phosphorus	139	..Phosphorus bonded directly to halogen
115	...N-C(=X)-N containing (X is chalcogen)	140	..(C)(R)P=X(-XC) containing (i.e., Phosphinate (X is chalcogen; R is C or H)
116	..Sulfur single bonded directly to nitrogen	141	..(CX-)(C)P=X(XH) or (CX-)(R)P=X(XC) containing (e.g., phosphonate, etc.) (X is chalcogen; R is C or H)
117	...N-(O=)S(=O) containing (i.e., sulfonamides)	142	..(CX-)(C)P(C), (CX-)(RX-)P(C), (CX-)P(XH)(XH) or (CX-)(CX-)P(-XR) containing (X is chalcogen; R is C or H) (e.g., phosphinite, phosphite, etc.)
118	..Phosphorus single bonded directly to nitrogen	143	..Ester of (HX)P=X(XH)(XH) (X is chalcogen) (e.g., phosphate, etc.)
119	...C(=O)N containing	144	...Triester
120	..C=O other than as ketone or aldehyde, attached directly or indirectly to phosphorus	145	....Three benzene rings bonded directly to chalcogen
121	...Plural C=O groups, other than as ketone or aldehyde	146	....Two benzene rings bonded directly to chalcogen
122	....Malathion	147	....One benzene ring bonded directly to chalcogen
123	....With N-C(=O)-O containing compound	148	...Diester
124	..C=O, other than as ketone or aldehyde, attached to a benzene ring		
125	..Ketone or aldehyde containing		

149	.Azoxy DOAI	173	...Spiro ring system
150	.Acyclic nitrogen double bonded to acyclic nitrogen, acyclic nitrogen triple bonded to acyclic nitrogen or azide DOAI	174	...-O-C-O- is part of a hetero ring (e.g., acetamide, etc.)
151	..Acyclic C=N=N-N containing	175	...-C(=O)-O-is part of a hetero ring (e.g., lactone, etc.)
152	.3,10-dihydroxy-2-naphthacene carboxamide or derivative (e.g., tetracycline, etc.) DOAI	176	...Nitrogen containing hetero ring
153	..With stabilizer or preservative	177	..Oxygen double bonded to a ring carbon of the cyclopentanohydrophenanthrene ring system
154	..With an additional active ingredient (excludes reaction product or complex)	178	...Oxygen single bonded to a ring carbon of the cyclopentanohydrophenanthrene ring system
155	.Para-N-benzene - sulfoxy-N containing DOAI, and said benzene ring is not part of a polycyclo ring system	179	...Modified C-ring (except methyl in 13-position) (e.g., double bond containing, substituted, etc.)
156	..Hetero ring containing	180	....9-position substituted
157	...The hetero ring is six-membered and includes at least two nitrogens and no other hetero atoms	181	....21-position substituted
158	...The hetero ring is five-membered	182	..Oxygen single bonded to a ring carbon of the cyclopentanohydrophenanthrene ring system
159	.Ortho-hydroxybenzoic acid (i.e., salicylic acid) or derivative DOAI	183	.Heterocyclic carbon compounds containing a hetero ring having chalcogen (i.e., O,S,Se or Te) or nitrogen as the only ring hetero atoms DOAI
160	..With additional ortho-hydroxybenzoic acid compound	184	..Heavy metal containing (including salts)
161	..With heterocyclic compound	185	...Polycyclo ring system
162	..With organic nitrogen containing compound	186	...Bicyclo ring system
163	..With carboxylic acid, ester or metal salt thereof	187	....Quinolines or isoquinolines (including hydrogenated)
164	..With organic oxygen containing compound	188	..Hetero ring is six-membered consisting of one nitrogen and five carbons
165	..Aspirin per se (i.e., 2-(acetyloxy)benzoic acid)	189	...Tin
166	..Nitrogen containing (e.g., anilides, etc.)	190	...Mercury
167	.9,10-seco-cyclopentanohydrophenanthrene ring system (e.g., vitamin D, etc.) DOAI	191	..Aluminum (including salts)
168	..With a vitamin type active ingredient	192	..1-thia-4-aza-bicyclo (3.2.0) heptane ring containing (including dehydrogenated) (e.g., penicillins, etc.)
169	.Cyclopentanohydrophenanthrene ring system DOAI	193	...Spiro or additional polycyclo ring system
170	..Plural Compounds containing cyclopentanohydrophenanthrene ring systems	194	...6,6-di-substituted
171	..With additional active ingredient	195	...3-position substituent contains -COOC- group
172	..Hetero ring containing	196	...6-position substituent contains hetero ring
		197	...6-position substituent contains carbocyclic ring

- 198 ...Ampicillin per se or salt thereof
- 199 ...Penicillin G per se or salt thereof (e.g., procaine pencillin G, etc.)
- 200 ...1-thia-5-aza-bicyclo (4.2.0) octane ring containing (including dehydrogenated) (e.g., cephalosporins, etc.)
- 201 ...7,7-di-substituted
- 202 ...Additional hetero ring
- 203 ...3-position substituent contains pyridine ring
- 204 ...3-position substituent contains sulfur
- 205 ....The additional hetero ring is part of a polycyclo ring system
- 206 ....7-position substituent contains hetero ring
- 207 ...Alkyl, hydroxyalkyl, alkoxyalkyl or alkanoyloxyakyl bonded directly to 3-position
- 208 ...Sulfur containing substituent
- 209 ...Alkyl, hydroxyalkyl, alkoxyalkyl, or alkanoyloxyakyl bonded directly to 3-position
- 210.01 ..Hetero ring is four-membered and includes at least one ring nitrogen
- 210.02 ..Chalcogen double bonded directly to a ring carbon of the four-membered hetero ring which is adjacent to the ring nitrogen
- 210.03 ...Polycyclo ring system having the four-membered hetero ring as one of the cyclos
- 210.04 ....Bicyclo ring system having the four-membered hetero ring as one of the cyclos
- 210.05 .....Plural ring hetero atoms in the bicyclo ring system
- 210.06 .....Ring oxygen in the bicyclo ring system
- 210.07 .....The other cyclo of the bicyclo ring system is six-membered
- 210.08 .....1-oxa-5-aza-bicyclo (4.2.0) octanes (including unsaturated)
- 210.09 .....The other cyclo of the bicyclo ring system is five-membered
- 210.1 .....Sulfur bonded directly to the five-membered cyclo of the bicyclo ring system (e.g., thienamycin, etc.)
- 210.11 .....Additional hetero ring attached directly to the sulfur
- 210.12 .....The additional hetero ring contains ring nitrogen
- 210.13 .....Having -C(=X)-, wherein X is chalcogen, bonded directly to the additional hetero ring
- 210.14 .....Polycyclo ring system bonded directly to the five-membered cyclo of the bicyclo ring system
- 210.15 ...Chalcogen bonded directly to the ring nitrogen of the four-membered ring
- 210.16 ...Polycyclo ring system having the four-membered hetero ring as one of the cyclos
- 210.17 ...Having -C(=X)-, wherein X is chalcogen, bonded directly to the four-membered hetero ring
- 210.18 ...Additional hetero ring attached directly or indirectly to the four-membered hetero ring by nonionic bonding
- 210.19 ...Additional hetero ring attached directly or indirectly to the four-membered hetero ring by nonionic bonding
- 210.2 ...The additional hetero ring contains ring nitrogen
- 210.21 ....Polycyclo ring system having the additional hetero ring as one of the cyclos
- 211.01 ..Hetero ring contains seven members including nitrogen, carbon and chalcogen
- 211.02 ...Monocyclic cyclopentyl ring bonded directly to the seven-membered hetero ring (e.g., prostaglandins, etc.)
- 211.03 ...Chalcogen double bonded directly to a ring carbon which is adjacent to the ring nitrogen
- 211.04 ...Polycyclo ring system which contains the seven-membered hetero ring as one of the cyclos

- 211.05 .....Bicyclo ring system having the seven-membered hetero ring as one of the cyclos
- 211.06 .....Ring chalcogen and ring nitrogen are in the 1,5-positions of the seven-membered hetero ring
- 211.07 .....Nitrogen attached directly or indirectly to the ring nitrogen of the seven-membered hetero ring by acyclic nonionic bonding (e.g., Diltiazem, etc.)
- 211.08 ...Plural ring nitrogens in the seven-membered hetero ring
- 211.09 ...Polycyclo ring system which contains the seven-membered hetero ring as one of the cyclos
- 211.1 ....Three ring hetero atoms in the polycyclo ring system
- 211.11 ....Tricyclo ring system having the seven-membered hetero ring as one of the cyclos
- 211.12 .....Ring nitrogen is shared by plural cyclos of the tricyclo ring system
- 211.13 .....Nitrogen bonded directly to ring carbon of the seven-membered hetero ring
- 211.14 .....Having -C(=X)-, wherein X is chalcogen, bonded directly to the seven-membered hetero ring
- 211.15 ...Additional nitrogen containing hetero ring attached directly or indirectly to the seven-membered hetero ring by nonionic bonding
- 212.01 ..Hetero ring is seven-membered consisting of one nitrogen and six carbons
- 212.02 ...Spiro
- 212.03 ..Chalcogen double bonded directly to a ring carbon of the seven-membered hetero ring which is adjacent to the ring nitrogen
- 212.04 ....Polycyclo ring system having the seven-membered hetero ring as one of the cyclos
- 212.05 .....Plural cyclos of the polycyclo ring system share ring nitrogen of the seven-membered hetero ring
- 212.06 .....Plural ring hetero atoms in the polycyclo ring system
- 212.07 .....Bicyclo ring system having the seven-membered hetero ring as one of the cyclos
- 212.08 ...Additional hetero ring attached directly or indirectly by nonionic bonding to the seven-membered hetero ring
- 213.01 ...Polycyclo ring system having the seven-membered hetero ring as one of the cyclos
- 214.01 ...Ring nitrogen of the seven-membered hetero ring is shared by an additional cyclo of the polycyclo ring system
- 214.02 .....Plural ring nitrogens in the polycyclo ring system
- 214.03 .....Two of the cyclos share at least three ring members (i.e., bridged)
- 215 ...Additional hetero atom in the polycyclo ring system
- 216 ...Two of the cyclos share at least three ring carbons (i.e., bridged)
- 217 ...Tricyclo ring system having the seven-membered hetero ring as one of the cyclos
- 217.01 ....3-Benzazepines (including hydrogenated)
- 217.02 .....Benzene ring bonded directly to ring carbon of the seven-membered hetero ring
- 217.03 ...Additional hetero ring attached directly or indirectly to the seven-membered hetero ring by nonionic bonding
- 217.04 ...The additional hetero ring is six-membered and contains nitrogen
- 217.05 .....Plural ring hetero atoms in the additional hetero ring
- 217.06 .....The additional hetero ring is a 1,3 diazine (including hydrogenated)
- 217.07 .....Polycyclo ring system having the additional six-membered hetero ring as one of the cyclos
- 217.08 ...The additional hetero ring is five-membered and contains nitrogen
- 217.09 .....Plural ring hetero atoms in the additional hetero ring

- 217.1 .....Chalcogen is one of the ring hetero atoms
- 217.11 ...Nitrogen or C(=X), wherein X is chalcogen, bonded directly to the seven-membered hetero ring
- 217.12 ...Nitrogen or C(=X), wherein X is chalcogen, attached indirectly to the seven-membered hetero ring by acyclic nonionic bonding
- 218 ..Hetero ring is seven-membered consisting of two nitrogens and five carbon atoms
- 219 ...Polycyclo ring system having the seven-membered hetero ring as one of the cyclos
- 220 ....Tricyclo ring system having the seven-membered hetero ring as one of the cyclos
- 221 ....Bicyclo ring system having the seven-membered hetero ring as one of the cyclos
- 222.2 ..Hetero ring is six-membered and includes at least nitrogen and sulfur as ring members
- 222.5 ...Three or more ring hetero atoms in the six-membered hetero ring
- 222.8 ....Polycyclo ring system having the six-membered hetero ring as one of the cyclos
- 223.2 .....1,2,4 - Benzothiadiazine - 1,1 - dioxides (including hydrogenated)
- 223.5 .....With additional active ingredient
- 223.8 ....1,3,5-Thiadiazines
- 224.2 ...Polycyclo ring system having the six-membered hetero ring as one of the cyclos (e.g., 1,3- and 1,4- benzothiazines, etc.)
- 224.5 ....At least three cyclos in the polycyclo ring system
- 224.8 .....Phenothiazines (including hydrogenated)
- 225.2 .....Hetero ring attached directly or indirectly to the phenothiazine ring nitrogen by acyclic nonionic bonding
- 225.5 .....The hetero ring is monocyclic piperidine
- 225.8 .....The hetero ring contains plural ring nitrogens
- 226.2 .....Chalcogen or nitrogen attached indirectly to the phenothiazine ring nitrogen by acyclic nonionic bonding
- 226.5 ...One of the cyclos is a 1,2-thiazine (e.g., 1,2-benzothiazines, etc.)
- 226.8 ...1,3-Thiazines
- 227.2 ...Chalcogen or nitrogen bonded directly to ring carbon of the six-membered hetero ring
- 227.5 ...1,4-Thiazines
- 227.8 ...Additional hetero ring attached directly or indirectly to the 1,4-thiazine by nonionic bonding
- 228.2 ....Polycyclo ring system having the additional hetero ring as one of the cyclos
- 228.5 .....Three or more ring hetero atoms in the polycyclo ring system
- 228.8 ..Hetero ring is six-membered and includes at least nitrogen and oxygen as ring hetero atoms (e.g., monocyclic 1,2- and 1,3-oxazines, etc.)
- 229.2 ...Three or more ring hetero atoms in the six-membered hetero ring
- 229.5 ...Polycyclo ring system having the six-membered hetero ring as one of the cyclos (e.g., maytansinoids, etc.)
- 229.8 ...Tricyclo ring system having the six-membered hetero ring as one of the cyclos
- 230.2 ....Ring nitrogen shared by two of the cyclos
- 230.5 ...Bicyclo ring system having the six-membered hetero ring as one of the cyclos (e.g., 1,4-benzoxazines, etc.)
- 230.8 ...Chalcogen bonded directly to ring carbon of 1,4-oxazine ring
- 231.2 ...Morpholines (i.e., fully hydrogenated 1,4- oxazines)
- 231.5 ...Additional hetero ring attached directly or indirectly to the morpholine ring by nonionic bonding
- 231.8 ....Plural morpholine rings attached directly or indirectly to each other by nonionic bonding

- 232.2 .....Additional hetero ring attached directly or indirectly to the morpholines by nonionic bonding
- 232.5 .....Polycyclo ring system having the additional hetero ring as one of the cyclos
- 232.8 .....Polycyclo ring system having the additional hetero ring as one of the cyclos
- 233.2 .....Ring nitrogen shared by two of the cyclos
- 233.5 .....Bicyclo ring system having the additional hetero ring as one of the cyclos
- 233.8 .....Plural ring hetero atoms in the bicyclo ring system
- 234.2 .....Three or more ring hetero atoms in the bicyclo ring system
- 234.5 .....Plural ring nitrogens in the bicyclo ring system
- 234.8 .....Quinoxalines (including hydrogenated)
- 235.2 .....Ring nitrogen in the bicyclo ring system
- 235.5 .....Ring nitrogen in the additional hetero ring
- 235.8 .....Plural ring nitrogens in the additional hetero ring (e.g., imidazole, pyrazine, etc.)
- 236.2 .....Three or more ring hetero atoms in the additional hetero ring
- 236.5 .....The ring nitrogens are bonded directly to each other (e.g., pyridazine, etc.)
- 236.8 .....Ring chalcogen in the additional hetero ring (e.g., oxazole, etc.)
- 237.2 .....The additional hetero ring is attached indirectly to the morpholine ring by an acyclic chain having a hetero atom as a chain member
- 237.5 ....Having -C(=X)-, wherein X is chalcogen, bonded directly to the morpholine ring
- 237.8 ....Nitrogen attached indirectly to the morpholine ring by acyclic nonionic bonding
- 238.2 .....Chalcogen attached directly to the nitrogen by nonionic bonding
- 238.5 .....The nitrogen is double or triple bonded directly to carbon
- 238.8 ....Chalcogen attached indirectly to the morpholine ring by acyclic nonionic bonding
- 239.2 .....The chalcogen is bonded directly to two carbon atoms
- 239.5 ....Carbocyclic ring attached indirectly to the morpholine ring by nonionic bonding
- 241 ..Hetero ring is six-membered consisting of three nitrogens and three carbon atoms
- 242 ...Asymmetrical (e.g., 1,2,4-triazine, etc.)
- 243 ....Polycyclo ring system having the hetero ring as one of the cyclos
- 244 ...Hexamethylenetetramines
- 245 ...Nitrogen bonded directly to ring carbon of the hetero ring
- 246 ....Polycyclo ring system having a 1,3,5-triazine as one of the cyclos
- 247 ..Hetero ring is six-membered consisting of two nitrogens and four carbon atoms (e.g., pyridazines, etc.)
- 248 ....Polycyclo ring system having a 1,2- or 1,4-diazine as one of the cyclos
- 249 ....1,4-diazine as one of the cyclos
- 250 .....At least three rings in the polycyclo ring system
- 251 .....Isoalloxazine (e.g., riboflavins, Vitamin B2, etc.)
- 252.01 ...1,2 diazine attached directly or indirectly to an additional hetero ring by nonionic bonding
- 252.02 ....The additional hetero ring is a diazine
- 252.03 ....The additional hetero ring is six-membered consisting of one nitrogen and five carbon atoms
- 252.04 .....Polycyclo ring system having the additional six-membered hetero ring as one of the cyclos
- 252.05 ....The additional hetero ring is a five-membered nitrogen hetero ring

- 252.06 .....Polycyclo ring system having the additional five-membered hetero ring as one of the cyclos
- 252.1 ...1,4 diazines
- 252.11 ....Plural 1,4-diazine rings attached directly or indirectly to each other by nonionic bonding
- 252.12 ....Piperazines (i.e., fully hydrogenated 1,4-diazines)
- 252.13 ....Additional hetero ring attached directly or indirectly to the piperazine ring by nonionic bonding
- 252.14 .....The additional hetero ring is a 1,3 diazine ring
- 252.15 .....Spiro ring system containing
- 252.16 .....Polycyclo ring system having the additional 1,3-diazine ring as one of the cyclos
- 252.17 .....The polycyclo ring system is quinazoline (including hydrogenated)
- 252.18 .....Additional six-membered hetero ring consisting of five ring carbons and one ring nitrogen attached directly or indirectly to the 1,3-diazine by nonionic bonding
- 252.19 .....Five-membered nitrogen hetero ring attached directly or indirectly to the 1,3-diazine ring by nonionic bonding
- 252.2 .....Oxygen hetero ring attached directly or indirectly to the 1,3-diazine ring by nonionic bonding
- 253.01 .....The additional hetero ring is six-membered consisting of one nitrogen and five carbon atoms
- 253.02 .....Polycyclo ring system having the additional six-membered nitrogen hetero ring as one of the cyclos
- 253.03 .....Tricyclo ring system having the additional six-membered nitrogen hetero ring as one of the cyclos
- 253.04 .....Bicyclo ring having the additional six-membered nitrogen hetero ring as one of the cyclos
- 253.05 .....Isoquinolines (including hydrogenated)
- 253.06 .....Quinolines (including hydrogenated)
- 253.07 .....Chalcogen bonded directly to carbon of the hetero ring of the quinoline ring system
- 253.08 .....Having  $-C(=X)-$ , wherein X is chalcogen, bonded directly to carbon of the hetero ring of the quinoline ring system
- 253.09 .....Five-membered nitrogen hetero ring attached directly or indirectly to the piperazine ring by nonionic bonding
- 253.1 .....The five-membered nitrogen hetero ring has chalcogen as a ring member
- 253.11 .....Chalcogen hetero ring attached directly or indirectly to the piperazine ring by nonionic bonding
- 253.12 .....Chalcogen bonded directly to ring carbon of the additional six-membered nitrogen containing hetero ring
- 253.13 .....Having  $-C(=X)-$ , wherein X is chalcogen, bonded directly to the additional six-membered nitrogen hetero ring
- 254.01 .....The additional hetero ring is five-membered having ring nitrogen
- 254.02 .....The additional five-membered hetero ring also has chalcogen as a ring member
- 254.03 .....The additional five-membered hetero ring consists of two ring carbons, two ring nitrogens, and one ring chalcogen (e.g., oxadiazolyl, thiadiazolyl, etc.)

- 254.04 .....The additional five-membered hetero ring consists of three ring carbons, and of nitrogen and chalcogen in adjacent ring positions (e.g., isoxazolyl, isothiazolyl, etc.)
- 254.05 .....Plural nitrogens in the additional five-membered hetero ring
- 254.06 .....Polycyclo ring system having the plural nitrogen containing additional five-membered hetero ring as one of the cyclos
- 254.07 .....Chalcogen hetero ring attached directly or indirectly to the piperazine ring by nonionic bonding
- 254.08 .....Polycyclo ring system having the additional five-membered nitrogen hetero ring as one of the cyclos
- 254.09 .....Indole ring system (including hydrogenated) attached directly or indirectly to the piperazine ring by nonionic bonding
- 254.1 .....Ring oxygen in the additional hetero ring
- 254.11 .....Polycyclo ring system having the additional oxygen hetero ring as one of the cyclos
- 255.01 .....Nitrogen or  $-C(=X)-$ , wherein X is chalcogen, bonded directly to the piperazine ring
- 255.02 .....Chalcogen bonded directly to a piperazine ring carbon
- 255.03 .....Carbocyclic ring bonded directly to the piperazine ring
- 255.04 .....Plural carbocyclic rings bonded directly to the same acyclic carbon atom which is attached directly or indirectly to the piperazine ring by nonionic bonding
- 255.05 .....Additional hetero ring attached directly or indirectly to the 1,4-diazine ring by nonionic bonding
- 255.06 ....Nitrogen or  $-C(=X)-$ , wherein X is chalcogen, bonded directly to ring carbon of the 1,4-diazine ring
- 256 ...1,3-diazines (e.g., pyrimidines, etc.)
- 257 ....Polycyclo ring system having 1,3-diazine as one of the cyclos
- 258.1 ....Bicyclo ring system having the 1,3-diazine as one of the cyclos
- 259.1 .....A ring nitrogen is shared by the two cyclos of the bicyclo ring system (e.g., pyrrolo [1,2-*a*]pyrimidine, imidazo[1,2-*a*]pyrimidine, etc.)
- 259.2 .....Ring chalcogen in the bicyclo ring system
- 259.3 .....The shared ring nitrogen is bonded directly to a ring nitrogen of the second ring of the bicyclo ring system (e.g., pyrazolo[1,5-*a*]pyrimidine, etc.)
- 259.31 .....The second ring of the bicyclo ring system is a five-membered hetero ring including three ring nitrogens (e.g., triazolo[1,5-*a*]pyrimidine, etc.)
- 259.4 .....The second ring of the bicyclo ring system is six-membered, consisting of five ring carbons and the shared ring nitrogen (e.g., pyrido[1,2-*a*]pyrimidine, etc.)
- 259.41 .....Additional hetero ring is attached directly or indirectly to the bicyclo ring system by nonionic bonding
- 259.5 .....Chalcogen bonded directly to a ring carbon of the 1,3-diazine ring
- 260.1 .....Ring chalcogen in the bicyclo ring system
- 261.1 .....Exactly five ring nitrogens in the bicyclo ring system (e.g., triazolo[4,5-*d*]pyrimidine, etc.)
- 262.1 .....Exactly four ring nitrogens in the bicyclo ring system
- 263.1 .....Purine (including hydrogenated)

- 263.2 .....Additional hetero ring attached directly or indirectly to the purine ring system by nonionic bonding
- 263.21 .....The additional hetero ring is a 1,3-diazine ring (including hydrogenated)
- 263.22 .....The additional hetero ring is six-membered consisting of one nitrogen and five carbons
- 263.23 .....The additional hetero ring consists of carbon and chalcogen as the only ring members
- 263.24 .....The additional chalcogen containing hetero ring is part of a polycyclo ring system
- 263.3 .....Chalcogen bonded directly to a ring carbon of the purine ring system
- 263.31 .....With preservative, stabilizer, or an additional active ingredient
- 263.32 .....Nitrogen containing hetero ring in the preservative, stabilizer, or additional active ingredient
- 263.33 .....Chalcogen bonded directly to the 2-,6-, and 8-positions of the purine ring system
- 263.34 .....Chalcogen bonded directly to the 2-and 6-positions of the purine ring system (e.g., theophylline, etc.)
- 263.35 .....Nitrogen attached indirectly to the purine ring system by acyclic nonionic bonding
- 263.36 .....Chalcogen attached indirectly to the purine ring system by acyclic nonionic bonding
- 263.37 .....Nitrogen bonded directly to a ring carbon of the purine ring system (e.g., guanine, etc.)
- 263.38 .....Chalcogen attached indirectly to the 9- position of the purine ring system by acyclic nonionic bonding
- 263.4 .....Nitrogen bonded directly to ring carbon of the purine ring system (e.g., adenine, etc.)
- 264.1 .....The other cyclo in the bicyclo ring system is a pyridine ring (including hydrogenated) (e.g., pyrido[2,3-d]pyrimidine, etc.)
- 264.11 .....Nitrogen bonded directly to ring carbon of the 1,3-diazine ring of the bicyclo ring system
- 265.1 .....The other cyclo in the bicyclo ring system is a pyrrole ring (including hydrogenated) (e.g., pyrrolo[3,2-d]pyrimidine, etc.)
- 266.1 .....Quinazoline (including hydrogenated)(i.e., the second cyclo in the bicyclo ring system is an ortho-fused six-membered carbocycle)
- 266.2 .....Additional hetero ring attached directly or indirectly to the quinazoline ring system by nonionic bonding
- 266.21 .....The additional hetero ring is six-membered consisting of one nitrogen and five carbons
- 266.22 .....Piperidinyl or tetrahydropyridyl
- 266.23 .....The additional hetero ring is five-membered consisting of carbon and plural nitrogens as the only ring members
- 266.24 .....The additional hetero ring consists of carbon and chalcogen as the only ring members
- 266.3 .....Chalcogen bonded directly to a ring carbon of the 1,3-diazine ring of the quinazoline ring system
- 266.31 .....Carbocyclic ring bonded directly to a ring carbon of the quinazoline ring system
- 266.4 .....Nitrogen bonded directly to ring carbon of the 1,3-diazine ring of the quinazoline ring system

267	.....Tricyclo ring system having 1,3-diazine as one of the cyclos	286	.....Two of the cyclos share at least three ring members (i.e., bridged)
268	.....Perimidine (including hydrogenated)	287	.....Three or more hetero atoms in the tetracyclo ring system
269	....Pyrimidines with chalcogen bonded directly to a ring carbon of said pyrimidine moiety	288	.....Ring carbon is shared by three of the cyclos
270	.....Barbituric acid or derivative (including thioanalogs)	289	....Two of the cyclos share at least three ring members (i.e., bridged) (e.g., morphinans, etc.)
271	.....Two or more barbituric acid compounds or with an additional active ingredient or stabilizer	290	....Tricyclo ring system having the six-membered hetero ring as one of the cyclos
272	....Nitrogen bonded directly to the 1,3-diazine at 2-position	291	....Plural hetero atoms in the tricyclo ring system
273	.....The nitrogen is part of a hetero ring	292	.....Plural ring nitrogens in the tricyclo ring system
274	....Chalcogen bonded directly to pyrimidine at 2-position	293	.....Three or more hetero atoms in the tricyclo ring system
275	....Nitrogen bonded directly to the 1,3-diazine at 2-position by a single bond	294	....Ring nitrogen is shared by two of the cyclos
276	....Thiamines (e.g., vitamin B1, etc.)	295	....Two of the cyclos share at least three ring carbons (i.e., bridged) (e.g., benzomorphans, etc.)
277	..Hetero ring is six-membered consisting of one nitrogen and five carbon atoms	296	....Ring carbons shared by each of the three cyclos (e.g., 1,8-naphthalimides, etc.)
278	...Spiro ring system	297	....Acridines (including hydrogenated)
279	...Polycyclo ring system having the six-membered hetero ring as one of the cyclos	298	....Phenanthridines (including hydrogenated)
280	....Pentacyclo ring system having the six-membered hetero ring as one of the cyclos	299	....Bicyclo ring system having the six-membered hetero ring as one of the cyclos
281	.....Two of the cyclos share at least three ring members (i.e., bridged)	300	....Plural hetero atoms in the bicyclo ring system
282	.....One of the five cyclos is five-membered and includes ring chalcogen (e.g., codeine, morphine, etc.)	301	.....Ring sulfur in the bicyclo ring system
283	....Ring nitrogen in the pentacyclo ring system is shared by five-membered cyclo and six-membered cyclo (e.g., vincamine, etc.)	302	.....Ring oxygen in the bicyclo ring system
284	....Tetracyclo ring system having the six-membered hetero ring as one of the cyclos	303	.....Exactly three ring nitrogens in the bicyclo ring system
285	....Plural hetero atoms in the tetracyclo ring system (e.g., acronycines, etc.)	304	....Tropanes (including nor or dehydro form)
		305	....Quinuclidines (including unsaturation)
		306	....Quinolizines (including hydrogenated)
		307	....Isoquinolines (including hydrogenated)

- 308 .....Plural isoquinoline ring systems attached directly or indirectly to each other by nonionic bonding
- 309 .....Chalcogen attached directly to the six-membered hetero ring by nonionic bonding
- 310 .....Nitrogen, other than as nitro or nitroso, attached directly to the isoquinoline ring system by nonionic bonding
- 311 .....Quinolines (including hydrogenated)
- 312 .....Chalcogen attached directly to the six-membered hetero ring by nonionic bonding
- 313 .....Nitrogen, other than as nitro or nitroso, attached directly to the six membered hetero ring by nonionic bonding
- 314 .....Additional hetero ring attached directly or indirectly to the quinoline ring system by nonionic bonding
- 315 ...Piperidines
- 316 ...Plural piperidine rings
- 317 ...Additional ring containing
- 318 .....The additional ring is a six-membered hetero ring consisting of one nitrogen and five carbon atoms
- 319 .....The additional ring is one of the cyclos in a polycyclo ring system
- 320 .....Hetero ring in the polycyclo ring system
- 321 .....Plural hetero atoms in the polycyclo ring system
- 322 .....Plural ring nitrogens in the polycyclo ring system
- 323 .....Ring nitrogen in the polycyclo ring system
- 324 .....Ring sulfur in the polycyclo ring system
- 325 .....Polycyclo ring system is tricyclo-carbocyclic
- 326 .....The additional ring is a hetero ring
- 327 .....Chalcogen bonded directly to ring carbon of the piperidine ring
- 328 .....Plural chalcogens bonded directly to ring carbons of the piperidine ring
- 329 .....Nitrogen attached directly to the piperidine ring by nonionic bonding
- 330 .....C=X bonded directly to the piperidine ring (X is chalcogen)
- 331 .....Nitrogen attached indirectly to the piperidine ring by nonionic bonding
- 332 ...Plural six-membered hetero rings consisting of one nitrogen and five carbon atoms
- 333 ...Additional hetero ring other than the six-membered hetero rings
- 334 ...The six-membered hetero rings are bonded directly to each other
- 335 ...Chalcogen bonded directly to a ring carbon of the six-membered hetero ring
- 336 ...Additional hetero ring containing
- 337 ...The additional hetero ring is one of the cyclos in a polycyclo ring system
- 338 .....Plural hetero atoms in the polycyclo ring system
- 339 .....Ring nitrogen in the polycyclo ring system
- 340 .....Ring nitrogen in the additional hetero ring (e.g., oxazole, etc.)
- 341 .....The additional hetero ring consists of two nitrogens and three carbons
- 342 .....Ring sulfur in the additional hetero ring
- 343 .....The additional hetero ring consists of one nitrogen and four carbons (e.g., nicotine, etc.)
- 344 ...Cyano bonded directly to the six-membered hetero ring
- 345 ...Chalcogen bonded directly to ring carbon of the six-membered hetero ring
- 346 ...Chalcogen and acyclic nitrogen bonded directly to the same carbon
- 347 ...Chalcogen bonded directly to chalcogen

- 348 ...Chalcogens bonded directly to at least two ring carbons of the six-membered hetero ring
- 349 ...Nitrogen attached directly to the six-membered hetero ring by nonionic bonding
- 350 ...C=O bonded directly to the six-membered hetero ring
- 351 ...Nitrogen attached indirectly to the six-membered hetero ring by nonionic bonding
- 352 ...Nitrogen attached directly to the six-membered hetero ring by nonionic bonding
- 353 ...Plural acyclic nitrogens bonded directly to the same carbon or bonded directly to each other
- 354 ...C=O bonded directly to the six-membered hetero ring
- 355 ....At 3-position
- 356 ....C=O in a C(=O)O group (e.g., nicotinic acid, etc.)
- 357 ...Nitrogen attached indirectly to the six-membered hetero ring by nonionic bonding
- 358 ...The ring nitrogen of the six-membered hetero ring is pentavalent (e.g., quaternary pyridinium salt, etc.)
- 359 ...Five-membered hetero ring containing at least one nitrogen ring atom (e.g., 1,2,3-triazoles, etc.)
- 360 ...Plural ring chalcogens in the hetero ring
- 361 ...Plural ring nitrogens and a single chalcogen in the hetero ring
- 362 ....1,2,5-thiadiazoles (including hydrogenated)
- 363 ....1,3,4-thiadiazoles (including hydrogenated)
- 364 ....Oxadiazoles (including hydrogenated)
- 365 ...1,3-thiazoles (including hydrogenated)
- 366 ...Polycyclo ring system having the thiazole ring as one of the cyclos
- 367 ....Bicyclo ring system having the thiazole ring as one of the cyclos
- 368 ....Ring nitrogen is shared by the cyclos of the bicyclo ring system (e.g., tetramisole, etc.)
- 369 ...Chalcogen bonded directly to ring carbon of the thiazole ring
- 370 ...Nitrogen bonded directly to ring carbon of the thiazole ring
- 371 ....C=X bonded directly to the nitrogen which is bonded directly to the thiazole ring (X is chalcogen)
- 372 ...1,2-thiazoles (including hydrogenated)
- 373 ...Polycyclo ring system having the thiazole ring as one of the cyclos
- 374 ...1,3-oxazoles (including hydrogenated)
- 375 ...Polycyclo ring system having the oxazole ring as one of the cyclos
- 376 ...Chalcogen bonded directly to ring carbon of the oxazole ring
- 377 ...Nitrogen bonded directly to ring carbon of the oxazole ring
- 378 ...1,2-oxazoles (including hydrogenated)
- 379 ...Polycyclo ring system having the oxazole ring as one of the cyclos
- 380 ...Chalcogen or nitrogen bonded directly to ring carbon of the oxazole ring
- 381 ...Tetrazoles (including hydrogenated)
- 382 ...Additional chalcogen containing hetero ring
- 383 ...1,2,4-triazoles (including hydrogenated)
- 384 ...Chalcogen bonded directly to the triazole ring
- 385 ...1,3-diazoles
- 386 ...Divalent chalcogen or acyclic nitrogen double bonded directly to ring carbon of the diazole ring, or tautomeric equivalent
- 387 ....Polycyclo ring system having the diazole ring as one of the cyclos

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|-----|---|-----|---|
| 388 | .....Nitrogen double bonded directly at 2-position of the diazole ring, or tautomeric equivalent  | 409 | ....Spiro ring system   |
| 389 | .....Divalent chalcogen or acyclic nitrogen double bonded directly at both 2- and 4-positions, or tautomeric equivalent (e.g., hydantoin, etc.) | 410 | ....Polycyclo ring system having the five-membered hetero ring as one of the cyclos   |
| 390 | .....Chalcogen or nitrogen bonded directly at 1-, 3-, or 5-position by nonionic bonding   | 411 | .....Tricyclo ring system having the five-membered hetero ring as one of the cyclos   |
| 391 | .....Benzene ring bonded directly to the diazole ring by nonionic bonding   | 412 | ....Bicyclo ring system having the five-membered hetero ring as one of the cyclos   |
| 392 | .....Divalent chalcogen or acyclic nitrogen double bonded at 2-position, or tautomeric equivalent   | 413 | .....Ring nitrogen is shared by the cyclos of the bicyclo ring system   |
| 393 | ....Polycyclo ring system having the diazole ring as one of the cyclos  | 414 | .....Additional hetero ring which is not part of the bicyclo ring system  |
| 394 | .....Benzo fused at 4,5-positions of the diazole ring   | 415 | .....The bicyclo ring system consists of the five-membered hetero ring and a benzene ring (e.g., indole, etc.)  |
| 395 | .....Chalcogen or nitrogen bonded directly at 1-, 2- or 3-position of the diazole ring by nonionic bonding                                      | 416 | .....The ring nitrogen is bonded directly to nonshared ring carbons of the five-membered hetero ring (e.g., isoindole, etc.)  |
| 396 | ....Imidazoles  | 417 | .....Plural chalcogens bonded directly to ring carbons of the five-membered hetero ring (e.g., phthalimide, etc.)   |
| 397 | ....Additional hetero ring  | 418 | .....Chalcogen bonded directly to ring carbon of the five-membered hetero ring  |
| 398 | ....Chalcogen or nitrogen bonded directly to the imidazole ring by nonionic bonding   | 419 | .....C=X bonded directly or indirectly by an acyclic carbon or carbon chain to ring carbon of the five-membered hetero ring (e.g., tryptophan, etc.) (X is chalcogen) |
| 399 | ....Chalcogen or nitrogen bonded indirectly to the imidazole ring by nonionic bonding   | 420 | .....Indomethacine per se or ester thereof  |
| 400 | .....At imidazole ring carbon   | 421 | ....Chalcogen bonded directly to ring carbon of the five-membered hetero ring (e.g., adrenochrome, etc.)  |
| 401 | ....2-imidazolines  | 422 | ....Additional hetero ring  |
| 402 | ....Additional hetero ring  | 423 | ....C=X bonded directly to the five-membered hetero ring by nonionic bonding (X is chalcogen)   |
| 403 | ...1,2-diazoles   | 424 | ....Chalcogen bonded directly to the five-membered hetero ring by nonionic bonding  |
| 404 | ....Divalent chalcogen or acyclic nitrogen double bonded directly to ring carbon of the diazole ring, or tautomeric equivalent                  | 425 | .....Plural chalcogens bonded directly to the five-membered hetero ring by nonionic bonding   |
| 405 | ....Polycyclo ring system having the diazole ring as one of the cyclos  |     |   |
| 406 | ....Pyrazoles   |     |   |
| 407 | .....Chalcogen or nitrogen bonded directly to the pyrazole ring by nonionic bonding   |     |   |
| 408 | ...The five-membered hetero ring consists of one nitrogen and four carbons  |     |   |

- 426 ....Nitrogen bonded directly to the five-membered hetero ring by nonionic bonding
- 427 ....Two double bonds between ring members of the five-membered hetero ring (e.g., pyrrole, etc.)
- 428 ....Chalcogen bonded indirectly to the five-membered hetero ring by acyclic nonionic bonding
- 429 ....Carbocyclic ring bonded directly to the five-membered hetero ring
- 430 ..Sulfur containing hetero ring
- 431 ...The hetero ring has at least seven members
- 432 ...The hetero ring is six-membered
- 433 ....Plural hetero atoms in the hetero ring
- 434 .....Polycyclo ring system having the hetero ring as one of the cyclos
- 435 .....Three or more hetero atoms in the hetero ring
- 436 .....Two ring sulfurs in the hetero ring
- 437 ...Tricyclo ring system having the hetero ring as one of the cyclos
- 438 ...The hetero ring is five-membered
- 439 ....Plural hetero atoms in the hetero ring
- 440 .....Only two ring sulfurs in the hetero ring
- 441 .....Chalcogen bonded directly to ring carbon of the hetero ring
- 442 .....Nitrogen bonded directly to the hetero ring by nonionic bonding
- 443 ....Polycyclo ring system having the hetero ring as one of the cyclos
- 444 ....Additional hetero ring
- 445 ....Chalcogen bonded directly to ring carbon of the hetero ring
- 446 ....Chalcogen bonded directly to ring sulfur by nonionic bonding
- 447 ....Nitrogen bonded directly to the hetero ring
- 448 ....C=O bonded directly to the hetero ring (X is chalcogen)
- 449 ..Oxygen containing hetero ring
- 450 ...The hetero ring has at least seven members
- 451 ...The hetero ring is six-membered
- 452 ....Plural ring oxygens in the hetero ring
- 453 ....Polycyclo ring system having the hetero ring as one of the cyclos
- 454 .....Tricyclo ring system having the hetero ring as one of the cyclos
- 455 .....Chalcogen bonded directly to ring carbon of the hetero ring
- 456 .....Bicyclo ring system having the hetero ring as one of the cyclos (e.g., chromones, etc.)
- 457 .....Coumarins (including hydrogenated)
- 458 .....Tocopherols (e.g., vitamin E, etc.)
- 459 ....Nitrogen containing
- 460 ....Chalcogen bonded directly to ring carbon of the hetero ring
- 461 ...The hetero ring is five-membered
- 462 ...Spiro ring system
- 463 ....Plural ring oxygens in the hetero ring
- 464 .....Bicyclo ring system having the hetero ring as one of the cyclos (e.g., methylenedioxyphenyl group, etc.)
- 465 .....The hetero ring is substituted
- 466 .....Nitrogen containing
- 467 ....Only two ring oxygens in the hetero ring which is not a polycyclo ring system (e.g., dioxolane, etc.)
- 468 ....Polycyclo ring system having the hetero ring as one of the cyclos
- 469 .....Bicyclo ring system having the hetero ring as one of the cyclos
- 470 .....Chalcogen or nitrogen bonded directly to the hetero ring
- 471 ....Nitrogen containing

472	.....The nitrogen bonded directly to the hetero ring	508	..X-C=N containing (e.g., imidoester, etc.) (X is chalcogen)
473	....Chalcogen bonded directly to the hetero ring	509	..(O=)N(=O)-O-C containing (e.g., nitrate ester, etc.)
474	.....Ascorbic acid or derivative (e.g., vitamin C, etc.)	510	..Polycyclo ring system
475	...The hetero ring is three-membered	511	...Two of the cyclos share at least three ring members (i.e., bridged)
476	..N-C(=X)X containing (X is chalcogen) DOAI	512	..X-C(=X)-X containing (e.g., carbonic acid ester, thiocarbonic acid ester, etc.) (X is chalcogen)
477	..N-C(=X)-X-N containing	513	..C-C(=X)-X-C containing (X is chalcogen and at least one X is other than oxygen)
478	..N-C(=X)-X-C containing	514	..Carbon bonded to -NCX or -XCN (e.g., cyanate, thiocyanate or isothiocyanate, etc.) (X is chalcogen)
479	...With an additional active ingredient	515	...With an additional active ingredient
480	...Polycyclo ring system attached by nonionic bonding	516	...Containing plural -NCX or -XCN groups or a cyano
481	....Naphthyl ring system	517	..S-X-C containing (e.g., sulfates, etc.) (X is chalcogen)
482	...N-C(=X)-N, N-C(=N)N, N-N, nitrogen directly bonded to oxygen by nonionic bonding or cyano containing	518	...S of S-X-C attached directly to a benzene ring
483	...Plural N-C(=X)-X groups	519	..Cyano or isocyano bonded directly to carbon
484	...Ring in acid moiety	520	...Benzene ring containing
485	....The ring is a benzene ring	521	....C=O other than as ketone or aldehyde
486	....Phenoxy in acid moiety	522	.....The cyano is bonded directly to a benzene ring
487	....The benzene ring is attached to nitrogen through an acyclic carbon or carbon chain	523	....Additional nitrogen other than cyano
488	....Ring in alcohol moiety	524	....The cyano is bonded directly to a benzene ring
489	...Ring in alcohol moiety	525	....Two or more of the cyano groups
490	...Ring attached directly to oxygen of N-C(=O)-O	526	...Acyclic
491	..With an additional active ingredient	527	....C=O other than as ketone or aldehyde
492	..Heavy metal containing DOAI	528	.....C(=O)N containing
493	..Tin	529	..Z-C(=O)-O-Y wherein Z is hydrogen or an organic radical bonded to the C(=O) by a carbon and Y is an organic radical bonded to the oxygen by a carbon
494	..Zinc		
495	..Gold or silver	530	...Z contains a cyclopentyl or cyclopentene ring
496	..Mercury		
497	...Nitrogen containing		
498	..Lead		
499	..Copper		
500	...With an additional active ingredient		
501	..Nickel or cobalt		
502	..Iron		
503	..Antimony or bismuth		
504	..Arsenic		
505	..Cadmium or chromium		
506	..Ester DOAI		
507	..R-C(=X)-N-X-C containing (e.g., hydroxamic acid ester, etc.) (R is C or H and X is chalcogen)		

531	...Z contains a cyclopropyl or cyclopropene ring	553	.Radical -XH acid, or anhydride, acid halide or salt thereof (X is chalcogen) DOAI
532	...Z-C(=O)-O-Y, wherein Z contains a benzene ring	554	..Amine addition salt of the acid
533	....Compound contains two or more C(=O)O groups indirectly bonded together by only conalent bonds	555	...Benzene ring in acid moiety
534	....Z or Y radical contains a nitrogen atom	556	..Inner quaternary ammonium salt (e.g., betaine, etc.)
535	....The nitrogen of the Z radical is directly bonded to a benzene ring which is directly bonded to the C(=O) group	557	..Carboxylic acid, percarboxylic acid, or salt thereof (e.g., peracetic acid, etc.)
536	.....With an agent to enhance topical absorption or with a stabilizing agent	558	...Higher fatty acid or salt thereof
537	.....With an additional active ingredient	559	....Ring containing
538	....Nitrogen bonded to carbon in Z moiety	560	....Carbon to carbon unsaturation
539	.....Plural separated benzene rings in Z moiety	561	..Nitrogen other than as nitro or nitroso nonionically bonded
540	.....Nitrogen in Y moiety	562	....Sulfur nonionically bonded
541	.....Aldehyde or ketone in Z or Y radical	563	....RC(=O)N containing (i.e., carboxamide) (R is C or H)
542	.....Z radical contains two or more nitrogen atoms at least one of which forms a C(=X)N group (X is chalcogen)	564	....Plural nitrogens nonionically bonded
543	...Z forms a phenoxy alkyl or phenoxy alkenyl radical	565	....N-N or N=C(-N)-N containing (e.g., hydrazines, hydrazones, or guanidines, etc.)
544	...C(=O)O attached directly through the carbon to a benzene ring	566	....Polycarboxylic acid
545	...Ketone in Z radical	567	...Benzene ring nonionically bonded
546	...ZC(=O)OY, wherein Z is an acyclic radical bonded to the C=O by a carbon and Y is an organic radical bonded to the oxygen by a carbon	568	..Benzene ring nonionically bonded
547	....Compound contains two or more C(=O)O groups	569	....Polycyclo ring system
548	....Ring is alcohol moiety	570	...Carboxy or salt thereof only attached indirectly to the benzene ring
549	...Z radical contains carbon to carbon unsaturation	571	....Ether oxygen single bonded to carboxylic acid, percarboxylic acid or salt thereof through an acyclic carbon or acyclic carbon chain
550	...Z radical contains sulfur or halogen	572	...Cyclic carboxylic acid containing three to five carbons or cyclic percarboxylic acid containing three to five carbons or salt thereof
551	...Z radical contains nitrogen	573	....Cyclopentyl or cyclopentene (e.g., prostaglandins, etc.)
552	...Z contains an unbroken chain of at least seven carbon atoms bonded directly to the C(=O) group	574	...Polycarboxylic acid or salt thereof
		575	..Hydroxamic acid or salt thereof
		576	..Benzene ring containing
		577	...Polycyclo ring system
		578	..Acyclic acid or salt thereof

579	..Nitrogen containing other than solely as a nitrogen in an inorganic ion of an addition salt, a nitro or a nitroso DOAI	601	..Sulfonamides (i.e., Q-(O=)S(=O)-N, wherein Q is a substituent and wherein any substituent attached to the nitrogen will be referred to as E)
580	..Thioureas (i.e., N-C(=S)-N	602	...Q contains benzene ring
581	...Thiocarbazides or thiosemicarbazides (i.e., N-N-C(=S)-N containing)	603	...Nitrogen in Q
582	....Thiocarbazones or thiosemicarbazones (i.e., C=N-N-C(=S)-N containing)	604	...Q is monocyclic
583	....Benzene ring containing	605	...Q is acyclic and benzene ring in a substituent E
584	...C=O, sulfur or cyano attached directly to thiourea nitrogen by nonionic bonding	606	..N-S-S containing
585	...Benzene ring containing	607	..N-S-N containing or contains a nitrogen bonded directly to a S=O group (e.g., sulfinamides, etc.)
586	...Nitrogen attached indirectly to the -C(=S)-group by nonionic bonding	608	..Sulfur attached directly to amino nitrogen by nonionic bonding (e.g., sulfenamides, etc.)
587	....Oxygen containing	609	..Cyanamides (i.e., compounds containing cyano bonded directly to amino nitrogen)
588	..Ureas (i.e., N-C(=O)-N)	610	..Nitramines (i.e., compounds containing nitro bonded directly to amino nitrogen)
589	...Nitro or nitroso bonded directly to amino nitrogen (e.g., nitramine, nitrosamine, nitro-urea, etc.)	611	..Nitrosamines (i.e., compounds containing nitroso bonded directly to amino nitrogen)
590	...Carbazides or semicarbazides (i.e., N-N-C(=O)-N containing)	612	..Haloamines (i.e., compounds containing halogen attached directly to amino nitrogen by nonionic bonding)
591	...Biurets (i.e., N-C(=O)-N-C(=O)-N)	613	..Carboxamides (i.e., R-C(=O)-N, wherein R is a radical having carbon bonded directly to the C(=O)-N or is hydrogen and wherein any substituent attached to nitrogen will be referred to as E)
592	...Sulfur attached directly to urea nitrogen by nonionic bonding	614	...N-N containing (e.g., aminimine, hydrazine, etc.)
593	....Sulfur is part of a substituent which contains additional nitrogen	615	...R contains benzene ring
594	...Additional C=O bonded directly to urea nitrogen	616	...Plural carboxamide groups or plural C=O groups bonded directly to the same nitrogen
595	...Benzene ring containing	617	...R contains benzene ring
596	....Benzene ring bonded directly to urea nitrogen	618	...Sulfur in R
597	....Benzene ring is part of a substituent which contains nitrogen	619	...Nitrogen in R
598	....Benzene ring is part of a substituent which contains oxygen	620	....The nitrogen in R is an amino nitrogen attached indirectly to a ring by acyclic bonding
599	..Thiocarboxamides, (i.e., C(=S)-N)	621	....C=O in R
600	..Sulfamides (i.e., N-(O=)S(=O)-N)	622	....C-O- group in R

- 623 ...Plural alicyclic rings in R
- 624 ...Three-membered ring in R
- 625 ...R is acyclic
- 626 ...Nitrogen in R
- 627 ...Carbon to carbon unsaturation in R
- 628 ...Halogen bonded directly to carbon in R
- 629 ...R is hydrogen or a lower saturated alkyl of less than seven carbons
- 630 ...A ring or polycyclo ring system in a substituent E is attached indirectly to the carboxamide nitrogen or to an amino nitrogen in substituent E by acyclic nonionic bonding
- 631 ..Amidines (i.e., N=C-N)
- 632 ...Amidino hydrazines or hydrazones (i.e., N-N=C-N or N=C-N-N)
- 633 ...Amidoximes (i.e., N-C=N-O)
- 634 ...Guanidines (i.e., N=C(-N)-N)
- 635 ...Biguanides (i.e., N=C(-N)-N(N-)C=N)
- 636 ...Polyamidines
- 637 ...Benzene ring containing
- 638 ..Nitrogen double bonded directly to carbon
- 639 ...Hydrazones (i.e., C=N-N)
- 640 ...Oximes (i.e., C=N-O-)
- 641 ...Aldimines or ketimines which contain a benzene ring (i.e., RC=N wherein R is C or H)
- 642 ..Quaternary ammonium containing
- 643 ..Benzene ring containing
- 644 ..Amine oxides
- 645 ..Nitroxides, oxyamines or hydroxylamines (i.e., N-O or N-OH)
- 646 ..Benzene ring containing
- 647 ...Amino nitrogen and a ring bonded directly to the same ring and any other amino nitrogen in the compound is bonded directly to one of the rings
- 648 ...Two aryl rings or aryl ring systems bonded directly to the same acyclic carbon
- 649 ...Amino nitrogen attached to aryl ring or aryl ring system by an acyclic carbon or acyclic chain
- 650 ....The aryl ring or aryl ring system is bonded directly to another ring or ring system
- 651 ...Ether oxygen is part of the chain
- 652 ....Alkanol group only between the amino nitrogen and an ether oxygen which is bonded directly to the aryl ring or aryl ring system (i.e., aryloxy alkanol amines)
- 653 ...Hydroxy, bonded directly to carbon, attached directly or indirectly to the acyclic carbon or chain by acyclic nonionic bonding (e.g., beta hydroxy phenethylamines, etc.)
- 654 ...The chain consists of two or more carbons which are unsubstituted or have acyclic hydrocarbyl substituents only
- 655 ...The aryl ring or aryl ring system and amino nitrogen are bonded directly to the same acyclic carbon, which carbon additionally has only hydrogen or acyclic hydrocarbyl substituents bonded directly thereto
- 656 ...Polycyclo ring system
- 657 ...Bicyclo ring system
- 658 ...Two benzene rings bonded directly to the same nitrogen
- 659 ..Alicyclic ring or ring system and amino nitrogen are attached indirectly by an acyclic carbon or acyclic chain
- 660 ..Plural alicyclic rings
- 661 ...Polycyclo ring system
- 662 ...Tricyclo ring system
- 663 ..Acyclic
- 664 ...N-N containing (e.g., aminimine, hydrazine, etc.)
- 665 ...Sulfur containing
- 666 ...Aldehyde or ketone containing
- 667 ...C-O-group containing
- 668 ....Polyether
- 669 ....Polyhydroxy
- 670 ....Monoether
- 671 ...Carbon to carbon unsaturation
- 672 ...Halogen bonded directly to carbon
- 673 ...Plural amino nitrogens
- 674 ....Three or more amino nitrogens

675	.Ketone DOAI	710	....Acyclic carbon to carbon unsaturation
676	..Nitrogen containing	711	....Acyclic
677	...Bicyclo ring system having a benzene ring as one of the cyclos	712	..Thioether
678	..Benzene ring containing	713	...Acyclic carbon to carbon unsaturation
679	...Plural rings	714	.Peroxide DOAI
680	....Polycyclo ring system	715	.Ether DOAI
681	.....Bicyclo	716	..Nitrogen containing
682	.....Naphthyl ring system	717	..Benzene ring containing
683	....Alicyclic ring	718	...Plural oxygens
684	....Five-membered alicyclic ring	719	....Alicyclic ring
685	....C=O bonded directly to benzene ring	720	....Acyclic carbon to carbon unsaturation
686	....Two benzene rings bonded directly to the same C=O	721	....Plural benzene rings
687	.....Oxygen single bonded to carbon	722	..Acyclic
688	...C=O bonded directly to benzene ring (e.g., acetophenone, etc.)	723	...Plural oxygens
689	...Oxygen single bonded to carbon	724	.C-O-group (e.g., alcohol, alcoholate, etc.) DOAI
690	..Alicyclic ring containing	725	..Vitamin A compound or derivative
691	...Plural alicyclic rings	726	..Diphenyl-substituted acyclic alcohol or alcoholate
692	...Camphor or nuclear substituted derivatives thereof	727	..Nitrogen containing
693	.Aldehyde DOAI	728	...C of C-O- group is nuclear C of a benzene ring (e.g., phenol, phenolate, etc.)
694	..Formaldehyde	729	..Alicyclic ring containing
695	...With polycyclo compound	730	..Benzene ring containing
696	...With alcohol	731	...C of C-O- group is nuclear C of a benzene ring (e.g., phenol, phenolate, etc.)
697	...With nitrogen containing compound	732	....Polycyclo ring system (e.g., naphthols, etc.)
698	..With preservative or stabilizer	733	....Acyclic carbon to carbon unsaturation
699	..Benzene ring containing	734	....Two or more separate aryl-O-groups
700	...Polycyclo ring system	735	.....Nuclear halogenated
701	...Acyclic carbon to carbon unsaturation	736	....Additional benzene ring containing
702	..Sulfur containing	737	....Nuclear halogenated
703	..Carbon to carbon unsaturation	738	..Polyhydroxy
704	..Nitrogen containing	739	..Carbon to carbon unsaturated
705	..Plural C=O groups	740	.Nitrogen containing compound DOAI
706	.Sulfur, selenium or tellurium compound (e.g., thioalcohols, mercaptans, etc.)	741	..Benzene ring containing
707	..Persulfide (e.g., R-S-S-R, etc.)	742	..Polynitro
708	..Oxygen bonded directly to sulfur (e.g., sulfoxides, etc.)	743	.Halogenated hydrocarbon DOAI
709	...Plural oxygens bonded directly to the same sulfur (e.g., sulfones, etc.)	744	..Unsaturated aliphatic compound
		745	...Alkyne
		746	...Plural halogenated hydrocarbon compounds
		747	..Carbocyclic

748	...Two benzene rings directly attached to an acyclic hydrocarbon or acyclic halogenated hydrocarbon (e.g., D.D.T., etc.)	777	.Carbohydrate or lignin, or derivative
749	...Fluorine containing	778	..Starch or derivative
750	...With organic ether or -OH containing compound non-DOAI	779	..Algin or derivative
751	...Benzene ring containing	780	..Locust bean gum
752	...Alkyne	781	..Cellulose or derivative
753	...Polycyclo ring system	782	.Natural gum or resin
754	...Plural benzene rings	783	.Plant extract or plant material of undetermined constitution
755	...Polycyclo ring system	784	.Carboxylic acid or salt thereof
756	...Bicyclo	785	.Carboxylic acid ester
757	..Two or more halogenated hydrocarbons	786	..Glyceride
758	..Chlorine as only halogen	787	..Beeswax
759	..Fluorine as only halogen	788	.Nitrogen containing
760	..Bromine and chlorine as only halogens	788.1	<b>SOLID SYNTHETIC ORGANIC POLYMER DERIVED SOLELY FROM HYDROCARBON REACTANTS AS DESIGNATED ORGANIC NONACTIVE INGREDIENT CONTAINING</b>
761	..Bromine and fluorine as only halogens	789	<b>MISCELLANEOUS (E.G., HYDROCARBONS, ETC.)</b>
762	.Hydrocarbon DOAI		
763	..Carbocyclic		
764	...Benzene ring containing		
765	...Polycyclo ring system		
766	...Polycyclo ring system		
767	..With phosphorus containing non-DOAI	<b><u>CROSS-REFERENCE ART COLLECTIONS</u></b>	
768	..With sulfur containing non-DOAI	800	<b>LHRH LIKE</b>
769	<b>DESIGNATED INORGANIC NONACTIVE INGREDIENT OR ELEMENTAL MATERIAL OTHER THAN WATER</b>	801	<b>COLLAGEN, GELATIN OR DERIVATIVES THEREOF</b>
770	.Siliceous or calcareous material (e.g., clay, earth, etc.)	802	<b>FIBRINOPEPTIDES, BLOOD-COAGULATION FACTORS OR DERIVATIVES</b>
771	.Oxygen gas containing	803	<b>KININ OR DERIVATIVES</b>
772	<b>DESIGNATED ORGANIC NONACTIVE INGREDIENT CONTAINING OTHER THAN HYDROCARBON</b>	804	<b>PHECMYCIN SERIES OR DERIVATIVES</b>
772.1	.Aftertreated solid synthetic organic polymer (e.g., grafting, blocking, etc.)	805	<b>ADRENOCORTICOTROPIC HORMONE OR DERIVATIVES</b>
772.2	..Polyvinyl alcohol	806	<b>SOMATOSTATIN OR DERIVATIVES</b>
772.3	.Solid synthetic organic polymer	807	<b>OXYTOXIN, VASOPRESSIN OR DERIVATIVES</b>
772.4	..Polymer from ethylenic monomers only	808	<b>CALCITONIN OR DERIVATIVES</b>
772.5	...Heterocyclic monomer	809	<b>ENKEPHALIN OR ENDORPHIN OR DERIVATIVES</b>
772.6	..Carboxylic acid containing monomer	810	<b>ADDICTION</b>
772.7	..Heterocyclic monomer	811	.Alcohol
773	.Peptide containing	812	.Narcotic
774	..Gelatin or derivative	813	.Tobacco
775	..Casein (milk protein) or derivative	814	<b>ANEMIA</b>
776	..Albumin or derivative	815	.Sickle cell
		816	<b>ANESTHETIC, GENERAL</b>
		817	<b>ANESTHETIC, TOPICAL</b>
		818	<b>ANESTHETIC, LOCAL</b>
		819	<b>ANTACID, ORAL</b>
		820	.With antifatulent
		821	<b>ANTIARRHYTHMIC</b>

822	<b>ANTICOAGULATION</b>	876	.Collar type
823	<b>ANTIDOTE</b>	877	<b>GALLSTONE</b>
824	<b>ARTERIOSCLEROSIS</b>	878	<b>GERIATRICS</b>
825	<b>ARTHRITIS</b>	879	.Senility
826	<b>ASTHMA</b>	880	<b>HAIR TREATMENT (THERAPEUTIC- SCALP)</b>
827	<b>ASTRINGENT, NONFACIAL</b>	881	.Shampoo
828	.Topical for the skin	882	<b>HEMORRHOID PREPARATION</b>
829	<b>BITE OR STING</b>	883	<b>HODGKIN'S DISEASE</b>
830	.Insect	884	<b>HYPOGLYCEMIA</b>
831	.Animal (nonpoisonous)	885	<b>IMMUNE RESPONSE AFFECTING DRUG</b>
832	<b>BLOOD SUBSTITUTE</b>	886	<b>INFLAMMATION, SKIN</b>
833	<b>BLOOD PLASMA EXTENDER</b>	887	.Topical Treatment
834	<b>COAGULANT</b>	888	<b>INFLUENZA</b>
835	<b>CARIES</b>	889	<b>INTERFERON INDUCER</b>
836	<b>CHELATE</b>	890	<b>IRRITANT (E.G., TEAR GAS, ETC.)</b>
837	<b>CHOLERA</b>	891	<b>KIDNEY STONE</b>
838	<b>CIRRHOSIS</b>	892	<b>LAXATIVE</b>
839	<b>CONTACT LENS TREATMENT</b>	893	<b>LIVER DISORDER</b>
840	.Chemical sterilizing	894	.Hepatitis
841	<b>CONTRACEPTIVE</b>	895	<b>MALARIA</b>
842	.Non-mammal	896	<b>MEASLES</b>
843	.Female (mammal)	897	.Rubella
844	<b>COSMETIC, FACIAL</b>	898	<b>MENINGITIS</b>
845	.Liquid make-up	899	<b>MENSTRUAL DISORDER</b>
846	.Cleansing cream or lotion	900	<b>MOUTH TREATMENT</b>
847	.Facial moisturizer	901	.Periodontitis
848	.Facial astringent	902	.Mouthwash
849	<b>COUGH AND COLD PREPARATION</b>	903	.Gingival
850	.Antitussive	904	<b>MULTIPLE SCLEROSIS</b>
851	<b>CYSTIC FIBROSIS</b>	905	<b>MULTIPLE VITAMINS</b>
852	<b>DANDRUFF</b>	906	.With mineral
853	<b>DECONGESTANT</b>	907	<b>MUSCLE RELAXANT</b>
854	.Vasoconstrictor	908	<b>MUSCULAR DYSTROPHY</b>
855	.Expectorant	909	<b>LEUKEMIA</b>
	<b>DERMATITIS</b>	910	<b>OBESITY</b>
858	.Athlete's foot	911	.Anorectic
859	.Acne	912	.Bulking agent
860	.Cellulitis	913	<b>OPHTHALMIC</b>
861	.Eczema	914	.Glaucoma
862	.Poison (ivy, oak, sumac)	915	.Inflammation
863	.Psoriasis	916	.Wetting agent
864	.Seborrhea	917	<b>PYRETIC</b>
865	.Diaper rash	918	<b>RADIOACTIVE, ANTI-</b>
866	<b>DIABETES</b>	919	<b>REPELLENT</b>
867	<b>DIARRHEA</b>	920	.Insect
868	<b>DISTEMPER</b>	921	.Mammal
869	<b>DIURETIC</b>	922	<b>SHOCK</b>
870	<b>EDEMA</b>	923	<b>SIDE EFFECT REDUCTION BY INCORPORATION OF A SECOND DESIGNATED INGREDIENT</b>
871	.Topical	924	<b>SLEEP AID (INSOMNIA)</b>
872	<b>EMESIS (MOTION SICKNESS-NAUSEA)</b>	925	<b>TUBERCULOSIS</b>
873	<b>EMOLLIENT</b>		<b>ULCER TREATMENT</b>
874	<b>ESTROGENIC AGENT (NONCONTRACEPTIVE)</b>		
875	<b>FLEA CONTROL</b>		

926	.Duodenal	960	<b>SIGNIFICANT, TABLET FORMULATION</b> (E.G., DESIGNATED EXCIPIENT, DISINTEGRANT, GLYDENT OR LUBRICANT, ETC.)
927	.Peptic	961	.Binder therefor
928	.Topical	962	<b>CAPSULE (E.G., GELATIN, ETC.)</b>
929	<b>VASODILATOR</b>	963	.Microcapsule-sustained or differential release
930	<b>VASOCONSTRICTOR (NONDECONGESTANT)</b>	964	<b>SUSTAINED OR DIFFERENTIAL RELEASE</b> <b>TYPE</b>
931	<b>VENERAL DISEASE</b>	965	.Discrete particles in supporting matrix
932	.Gonorrhea	966	<b>SUPPOSITORY, BOUGIE OR BASE</b>
933	.Syphilis	967	<b>RECTAL</b>
934	.Virus	968	<b>VAGINAL</b>
935	<b>UTERINE MOTILITY</b>	969	<b>URETHRAL</b>
	<b>LIQUID CARRIER, DILUENT OR</b> <b>SOLVENT</b>	970	<b>OINTMENT OR SALVE BASE</b>
936	<b>DMSO CONTAINING</b>	971	<b>SPECIAL DESIGNATED INGREDIENT</b>
937	<b>DISPERSION OR EMULSION</b>	972	<b>CONTAINING DESIGNATED INGREDIENT</b> <b>TO STABILIZE AN ACTIVE</b> <b>INGREDIENT</b>
938	.Oil-water type	973	.Crystallization point depressant or cold stabilizer containing
939	..Mineral oil-water type	974	.Ultraviolet light stabilizer containing
940	...Quick break type	975	.Sulfur compound additive as stabilizer (e.g., sulfites, etc.)
941	...Polyoxyalkylated compound containing	976	<b>CONTAINING DESIGNATED INGREDIENT</b> <b>TO REDUCE NOXIOUS EFFECTS OF</b> <b>ACTIVE INGREDIENT (E.G., TASTE</b> <b>MASKING, ODOR REDUCING, ETC.)</b>
942	...Organic sulfonate, sulfate or sulfite containing	977	<b>CHARACTERIZED BY THE DESIGNATED</b> <b>SURFACTANT USED</b>
943	...Higher fatty acid or derivative containing		
944	<b>GEL</b>		
945	<b>FOAM</b>		
946	<b>PENETRANT OR ABSORBENT (ENHANCES</b> <b>PENETRATION INTO SUBJECT</b> <b>TREATED)</b>		
947	.Topical application		
	<b>SOLID CARRIER OR SOLID DILUENT</b>		
948	<b>SOLID CANDY TYPE</b>		
949	<b>NATURALLY DERIVED CLAY (E.G.,</b> <b>BENTONITE, ETC.)</b>		
950	<b>MACROMOLECULAR (OTHER THAN</b> <b>SYNTHETIC RESINS)</b>		
951	<b>POWDERS, GRANULES OR PARTICLES OF</b> <b>SPECIFIED MESH OR PARTICLE</b> <b>SIZE</b>		
952	.Wettable		
953	<b>SHAPED FORMS ADAPTED FOR</b> <b>NONINGESTIBLE USE OTHER THAN</b> <b>SUPPOSITORY TYPE (E.G., FILMS,</b> <b>INSERTS, ETC.)</b>		
954	.Ocular		
955	..Biodegradable type		
956	.Aural or otic (i.e., ear)		
	<b>GASEOUS OR GAS EMITTING CARRIER</b> <b>OR PROPELLANT</b>		
957	<b>VAPOR EMMITTING COMPOSITION</b>		
958	<b>FOR SMOKING OR INHALING</b>		
959	<b>BREATHING GASES</b>		
	<b>PILL, LOZENGE, TABLET OR CAPSULE</b>		

**FOREIGN ART COLLECTIONS****FOR 000 CLASS-RELATED FOREIGN DOCUMENTS**

Any foreign patents or non-patent literature from subclasses that have been reclassified have been transferred directly to FOR Collections listed below. These Collections contain ONLY foreign patents or non-patent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

**DESIGNATED ORGANIC ACTIVE  
INGREDIENT CONTAINING (DOAI)**

- .Heterocyclic carbon compounds containing a hetero ring having chalcogen (i.e., O,S,Se or Te) or nitrogen as the only ring hetero atoms DOAI
- ..Hetero ring is six-membered consisting of two nitrogens and four carbon atoms (e.g., pyridazines, etc.)
- FOR 100 ...1,2- or 1,4-diazine compound having two or more hetero rings (514/252)
- FOR 101 ...Hetero ring other than 1,2- or 1,4-diazine is part of a polycyclo ring system (514/253)
- FOR 102 .....Diazine is bonded directly to the polycyclo ring system (514/254)
- FOR 103 ...1,4-diazines (514/255)
- FOR 104 **HETERO RING IS FOUR-MEMBERED AND INCLUDES AT LEAST ONE NITROGEN ATOM (514/210)**
- FOR 105 **HETERO RING IS SEVEN-MEMBERED AND INCLUDES AT LEAST ONE NITROGEN ATOM AND AT LEAST ONE HETERO ATOM OTHER THAN NITROGEN (514/211)**
- FOR 106 **HETERO RING IS SEVEN-MEMBERED CONSISTING OF ONE NITROGEN AND SIX CARBON ATOMS (514/212)**
- FOR 107 .Polycyclo ring system having the seven-membered hetero ring as one of the cyclos (514/213)
- FOR 108 ..Ring nitrogen is shared by two or three of the cyclos (514/214)

**DIGESTS**

- DIG 1 .RU 486 (i.e., RU 38486, RU 486-6, Mifepristone, Mifestone, Mifegyne, (11B-[4-(N, N-dimethylamino) phenyl]-17a-(prop-1-ynyl)-<sup>4</sup> 4,9-estradiene-17B-ol-3-one, (11B,17B)11-[4-(dimethylamino)-phenyl]-17-hydroxy-17-(1-propynyl) estera-4,9-dien-3-one)