

<p>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.</p>	<p>3.4 Candida (e.g., Candida albicans, etc.)</p> <p>3.5 Yeast</p> <p>3.6 Cyclopeptide utilizing</p> <p>3.7 ...Virus destroying or inhibiting</p> <p>3.8 Human immunodeficiency virus (HIV)</p> <p>3.9 Cluster of differentiation protein (e.g., CD4, etc.) affecting</p> <p>4.1 HIV protease inhibitor affecting or utilizing</p> <p>4.2 Herpesviridae</p> <p>4.3 Hepatitis</p> <p>4.4 ...Protozoa destroying or inhibiting</p> <p>4.5 ..Insect destroying or inhibiting</p> <p>4.6 ..Parasite (e.g., tapeworm, roundworm, nematode, etc.) destroying or inhibiting</p> <p>4.7 ..Lactation affecting</p> <p>4.8 ..Weight regulation affecting</p> <p>4.9 ...Appetite or satiation affecting</p> <p>5.1 ...Growth hormone (GH) or derivative utilizing</p> <p>5.2 ...Neuropeptide (e.g., NPY, PYY, dynorphin, etc.) or derivative utilizing</p> <p>5.3 ...Peptide hormone or derivative utilizing</p> <p>5.4 ..Iron affecting</p> <p>5.5 ..Nutrition enhancement or support</p> <p>5.6 ...Containing whey</p> <p>5.7 ...Containing casein</p> <p>5.8 ..Leptin or derivative affecting or utilizing</p> <p>5.9 ..Insulin or derivative utilizing</p> <p>6.1 ...Truncated insulin</p> <p>6.2 ...A-chain modified insulin</p> <p>6.3 ...B-chain modified insulin</p> <p>6.4 ...Zinc containing</p> <p>6.5 ...With an additional active ingredient</p> <p>6.6 With protamine</p> <p>6.7 ..Insulin affecting</p> <p>6.8 ..Blood sugar affecting</p> <p>6.9 ...Diabetes</p> <p>7.1 Somatostatin or derivative affecting or utilizing</p>
<p>1 DESIGNATED ORGANIC ACTIVE INGREDIENT CONTAINING (DOAI)</p> <p>1.1 ..Peptide (e.g., protein, etc.) containing DOAI</p> <p>1.2 ..Transporter affecting or utilizing</p> <p>1.3 ..Prodrug utilizing</p> <p>1.4 ..Sepsis affecting</p> <p>1.5 ..Respiratory distress syndrome (e.g., ARDS, IRDS, etc.) affecting</p> <p>1.6 ..Pneumonia affecting</p> <p>1.7 ..Asthma affecting</p> <p>1.8 ..Cystic fibrosis affecting</p> <p>1.9 ..Arteriosclerosis (e.g., atherosclerosis, etc.) affecting</p> <p>2.1 ..Endotoxin (e.g., LPS, etc.) affecting</p> <p>2.2 ..Bactericidal/permeability-increasing (BPI) protein affecting or utilizing</p> <p>2.3 ..Micro-organism destroying or inhibiting</p> <p>2.4 ...Bacterium (e.g., Bacillus, etc.) destroying or inhibiting</p> <p>2.5 Lactoferrin</p> <p>2.6 Streptococcus</p> <p>2.7 Staphylococcus (e.g., Staphylococcus aureus, etc.)</p> <p>2.8 Gram negative bacterium (e.g., Escherichia coli, salmonella, Helicobacter, etc.)</p> <p>2.9 Cyclopeptide utilizing</p> <p>3.1 Glycopeptide utilizing</p> <p>3.2 Amphiphilic or oligomer modified peptide (e.g., magainin, peptide nucleic acid, or PEGylated peptide, etc.) utilizing</p> <p>3.3 ...Fungus (e.g., athlete's foot, ringworm, etc.) destroying or inhibiting</p>	

7.2	....Glucagon, glucagon-like peptide (e.g., GLP-1, etc.) or derivative affecting or utilizing	10.1	....Luteinizing hormone (LH) or derivative
7.3	....Type I diabetes	10.2	....Androgen (e.g., testosterone, etc.) or estrogen affecting
7.4	..Lipid or cholesterol affecting (e.g., dyslipidemia, etc.)	10.3	....Gonadotropin-releasing hormone (GnRH) or derivative
7.5	..Protein tyrosine kinase (PTK) affecting	10.4	....Cetrorelix, leuprolide, or deslorelin utilizing
7.6	..Growth factor or derivative affecting or utilizing	10.5	....Ovulation affecting
7.7	..Erythropoietin (EPO) or derivative	10.6	....Synthetic gonadotropin-releasing hormone antagonist
7.8	..Thrombopoietin (TPO) or derivative	10.7	..Melanocortin (e.g., Melanocyte-stimulating hormone (MSH), etc.) or derivative
7.9	..Hematopoiesis affecting	10.8	....Corticotropin or derivative
8.1	..Vascular endothelial growth factor (e.g., VEGF-A, VEGF-B, etc.) or derivative	10.9	..Vasopressin or derivative
8.2	..Platelet-derived growth factor (PDGF) or derivative	11.1	..Somatostatin or derivative
8.3	..Nerve tissue or nerve cell growth affecting	11.2	..Growth-hormone-releasing hormone (GHRH) or derivative
8.4	....Nerve growth factor (NGF) or derivative	11.3	..Growth hormone (GH) or derivative
8.5	..Insulin-like growth factor (IGF) or derivative	11.4	...Human growth hormone (hGH) or derivative
8.6	....Insulin-like growth factor 1 (IGF-1) or derivative	11.5	..Prolactin or derivative
8.7	....Insulin-like growth factor binding protein (IGFBP) or derivative	11.6	..Oxytocin or derivative
8.8	..Bone morphogenic protein (BMP) or derivative	11.7	..Glucagon, glucagon-like peptide (e.g., GLP-1, GLP-2, etc.) or derivative
8.9	..Transforming growth factor (TGF) or derivative	11.8	..Parathyroid hormone (PTH) or derivative
9.1	..Fibroblast growth factor (FGF) or derivative	11.9	..Calcitonin or derivative
9.2	....Keratinocyte growth factor (KGF) or derivative	12.1	..Muscle contraction affecting (e.g., muscle twitch, muscle relaxation, etc.)
9.3	..Fibronectin or derivative	12.2	..Anti-inflammatory
9.4	..Wound healing or wound repair affecting	12.3	..Gastrin hormone or derivative
9.5	..Hepatocyte growth factor (HGF) or derivative	12.4	..Natriuretic peptide or derivative (e.g., atrial natriuretic peptide, brain natriuretic peptide, etc.)
9.6	..Epidermal growth factor (EGF) or epidermal growth factor-like or derivative	12.5	..Bradykinin or derivative
9.7	..Hormone or derivative affecting or utilizing	12.6	..Cholecystokinin (CCK) or derivative
9.8	...Fertility	12.7	..Relaxin or derivative
9.9	....Follicle-stimulating hormone (FSH) or derivative	12.8	..Secretin or derivative
		12.9	..Thymosin (e.g., thymosin (alpha 1, thymosin beta 4, etc.) or derivative
		13.1	..Vasoactive intestinal peptide (VIP) or derivative
		13.2	..Digestive tract ulcer affecting
		13.3	..Angiogenesis affecting
		13.4	..Blood substitute

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| 13.5 | ..Blood affecting or blood protein utilizing | 17.5 | ..Mental disorder or mental illness (e.g., psychoses, etc.) affecting |
| 13.6 | ...Fibrin or derivative affecting or utilizing | 17.6 | ...Anti-depressant or derivative affecting or utilizing |
| 13.7 | ...Coagulation affecting | 17.7 | ..Nervous system (e.g., central nervous system (CNS), etc.) affecting |
| 13.8 |Platelet aggregation or adhesion affecting | 17.8 | ...Alzheimer's disease |
| 13.9 |Glycoprotein IIb/IIIa affecting | 17.9 | ...Multiple sclerosis |
| 14.1 |Factor VIII or derivative affecting or utilizing | 18.1 | ...Neurotransmitter or derivative affecting or utilizing |
| 14.2 |Plasma protease affecting | 18.2 | ...Neuropathy affecting |
| 14.3 |Factor VIIa affecting | 18.3 | ...Pain affecting |
| 14.4 |Factor Xa affecting | 18.4 |Opioid receptor affecting |
| 14.5 |Tissue factor pathway inhibitor (TFPI) utilizing | 18.5 | ...Enkephalin or derivative affecting or utilizing |
| 14.6 |Urokinase affecting | 18.6 | ..Skin affecting |
| 14.7 |Thrombin affecting | 18.7 | ...Anti-inflammatory |
| 14.8 |Hirudin or derivative utilizing | 18.8 | ...Cosmetic enhancement or care |
| 14.9 |Thrombosis affecting | 18.9 | ..Apoptosis affecting |
| 15.1 | ...Oxidative stress affecting | 19.1 | ..Cellular adhesion affecting or cell adhesion molecule (CAM) affecting or utilizing |
| 15.2 | ...Albumin or derivative affecting or utilizing | 19.2 | ..Neoplastic condition affecting |
| 15.3 | ...Plasma protein affecting or utilizing | 19.3 | ...Cancer |
| 15.4 | ..Kidney affecting | 19.4 |Breast |
| 15.5 | ..Surfactant protein (e.g., SP-A, SP-B, etc.) or derivative affecting or utilizing | 19.5 |Prostate |
| 15.6 | ..Blood pressure affecting | 19.6 |Leukemia |
| 15.7 | ...Hypertension | 19.7 |Bombesin or derivative affecting or utilizing |
| 15.8 |Renin inhibitor affecting or utilizing | 19.8 |Metastasis affecting |
| 15.9 |Dipeptide renin inhibitor | 19.9 |Cyclopeptide utilizing |
| 16.1 |Endothelin (e.g., ET-2, ET-3, etc.) or derivative affecting or utilizing | 20.1 | ..Protease inhibitor affecting or utilizing |
| 16.2 |Angiotensin converting enzyme (ACE) affecting | 20.2 | ...Cysteine protease inhibitor affecting or utilizing |
| 16.3 | ..Angiotensin converting enzyme (ACE) affecting | 20.3 | ...Serine protease inhibitor affecting or utilizing |
| 16.4 | ..Cardiac disease (i.e., heart disease) affecting | 20.4 |Elastase inhibitor affecting or utilizing |
| 16.5 | ..Tissue development affecting | 20.5 | ..Cyclosporine or derivative utilizing |
| 16.6 | ..Rheumatoid arthritis affecting | 20.6 | ..G-protein coupled receptor (GPCR) affecting |
| 16.7 | ..Bone affecting | 20.7 | ..Hair affecting |
| 16.8 | ...Osteoarthritis | 20.8 | ..Eye affecting |
| 16.9 | ...Osteoporosis | 20.9 | ..Glycopeptide utilizing |
| 17.1 | ..Cartilage affecting | 21.1 | ..Cyclopeptide utilizing |
| 17.2 | ..Collagen or derivative affecting or utilizing | 21.2 | ..100 or more amino acid residues in the peptide chain |
| 17.3 | ..N-methyl-d-aspartate (NMDA) receptor affecting | 21.3 | ..25 to 99 amino acid residues in the peptide chain |
| 17.4 | ..Ion channel protein affecting | 21.4 | ..16 to 24 amino acid residues in the peptide chain |

21.5	..12 to 15 amino acid residues in the peptide chain	36	....Two or more nitrogen atoms bonded directly to the cyclohexyl ring
21.6	..9 to 11 amino acid residues in the peptide chain	37	.....The nitrogen atoms are in N-C(=N)-N groups (e.g., streptomycin, etc.)
21.7	..7 or 8 amino acid residues in the peptide chain	38	....Two saccharide radicals bonded through only oxygen to adjacent ring carbons of the cyclohexyl ring
21.8	..5 or 6 amino acid residues in the peptide chain	39	.....Three or more saccharide radicals (e.g., neomycin, etc.)
21.9	..3 or 4 amino acid residues in the peptide chain	40	....Two saccharide radicals bonded through only oxygen to 4- and 6- positions of the cyclohexyl ring
21.91	..2 amino acid residues in the peptide chain	41	.....Kanamycin or derivative
21.92	..Produced by or extracted from animal tissue	42	..N-glycoside
22	..Lignin or derivative DOAI	43	...Nitrogen containing hetero ring
23	..Carbohydrate (i.e., saccharide radical containing) DOAI	44 R	....Polynucleotide (e.g., RNA, DNA, etc.)
24	..S-glycoside	44 A	.....Antisense or RNA interference
25	..O-glycoside	45	....Purines (including hydrogenated) (e.g., adenine, guanine, etc.)
26	...Cyclopentanohydrophenanthrene ring system	46	.....Adenosine or derivative
27	...Oxygen of the saccharide radical bonded directly to a nonsaccharide hetero ring or a polycyclo ring system which contains a nonsaccharide hetero ring	47	.....Phosphorus containing
28	....The hetero ring has 8 or more ring carbons	48	.....Phosphorus containing
29	.....The hetero ring has exactly 13 ring carbons (e.g., erythromycin, etc.)	49	....Pyrimidines (including hydrogenated) (e.g., cytosine, etc.)
30	.....The hetero ring has exactly 15 ring carbons	50	.....2,4-diketone pyrimidine or derivative (e.g., uracil, etc.)
31	.....The hetero ring has 20 or more ring carbons (e.g., nystatin, etc.)	51	.....Phosphorus containing
32	...Oxygen of the saccharide radical bonded to a nonsaccharide hetero ring by acyclic carbon bonding	52	....Phosphorus containing (e.g., Vitamin B12, etc.)
33	...Oxygen of the saccharide radical bonded directly to a polycyclo ring system of three or more carbocyclic rings	53	..Dissaccharide
34	....Oxygen of the saccharide radical bonded directly to a polycyclo ring system of four carbocyclic rings (e.g., daunomycin, etc.)	54	..Polysaccharide
35	...Oxygen of the saccharide radical bonded directly to a cyclohexyl ring	55	...Chitin or derivative
		56	...Heparin or derivative
		57	...Cellulose or derivative
		58	...Dextrin or derivative
		59	...Dextran or derivative
		60	...Starch or derivative
		61	...Tri- or tetrasaccharide
		62	..Glucosamine or derivative
		63	..Silicon containing DOAI
		64	..Boron containing DOAI
		65	..Pyrethrum plant derived material or plant derived rotenone compound containing DOAI

66	..With heterocyclic compound	91	...Hetero ring is five-membered
67	..Methylenedioxyphenyl group containing (e.g., piperonyl butoxide, etc.)	92	....Two or more hetero atoms in the five-membered ring
68	..With carboxylic acid ester	93	.....Triazoles (including hydrogenated)
69	..With carboxylic acid metal salt	94	.....Diazoles (including hydrogenated)
70	..With organic nitrogen containing compound	95	..Sulfur containing hetero ring
71	...Sulfur containing organic nitrogen compound	96	...Polycyclo ring system having the hetero ring as one of the cyclos
72	..With organic oxygen containing compound	97	...Two or more sulfurs in the hetero ring
73	...Phosphorus or halogen containing organic oxygen compound	98	...Oxygen in the hetero ring
74	..With hydrocarbon or halohydrocarbon	99	..Oxygen containing hetero ring
75	..Phosphorus containing other than solely as part of an inorganic ion in an addition salt DOAI	100	...Polycyclo ring system having the hetero ring as one of the cyclos
76	..Amine addition salt of organic phosphorus containing acid	101	...Two or more oxygen in the hetero ring
77	..Inner salt (e.g., betaine, etc.)	102	..Two or more phosphorus atoms directly or indirectly bonded together by only covalent bonds
78	...Lecithins	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)
79	..Nitrogen containing hetero ring		
80	...Polycyclo ring system having a ring nitrogen in the system	104	...Benzene ring in the alcohol moiety
81	...Nonshared hetero atoms in at least two rings of the polycyclo ring system	105	...Phosphorus is part of a ring
82	....Quinolinyl or isoquinolinyl (including hydrogenated)	106	...P-O-P or P-S-P containing (e.g., anhydrides, etc.)
83	..Hetero ring is three-membered consisting of one nitrogen and two carbons	107	...Benzene ring containing
84	...Hetero ring is six-membered consisting of three nitrogens and three carbons	108	...Acyclic and contains at least one carbon atom between the phosphorus atoms
85	...Hetero ring is six-membered consisting of two nitrogens and four carbons	109	..P-X-X containing (X is chalcogen)
86	....Nitrogen atoms occupy 1 and 3- positions	110	..Phosphorus is part of a ring
87	.....PX- bonded directly to 1,3-diazine at 2- position (X is chalcogen)	111	...Polycyclo ring system having the phosphorus containing ring as one of the cyclos
88	.....Two or more PX- groups attached to the same 1,3-diazine (X is chalcogen)	112	..Cyano or isocyano containing
89	..Hetero ring is six-membered and includes only one ring nitrogen	113	...Cyano or isocyano bonded directly to a benzene ring
90	....Chalcogen in the six-membered hetero ring	114	..Nitrogen, other than nitro or nitroso, bonded indirectly to phosphorus
		115	...N-C(=X)-N containing (X is chalcogen)

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	149	.Azoxy DOAI
125	..Ketone or aldehyde containing	150	.Acyclic nitrogen double bonded to acyclic nitrogen, acyclic nitrogen triple bonded to acyclic nitrogen or azide DOAI
126	..Sulfur not bonded directly to phosphorus	151	..Acyclic C-N=N-N containing
127	..Thioether, sulfoxide or sulfone	152	.3,10-dihydroxy-2-naphthacene carboxamide or derivative (e.g., tetracycline, etc.) DOAI
128	....Sulfur bonded directly to a benzene ring	153	..With stabilizer or preservative
129	..Oxygen bonded directly to a carbon or hydrogen and wherein the oxygen is not bonded directly to phosphorus	154	..With an additional active ingredient (excludes reaction product or complex)
130	...The oxygen is bonded directly to a benzene ring	155	.Para-N-benzene - sulfoxy-N containing DOAI, and said benzene ring is not part of a polycyclo ring system
131	..Nitro group bonded to a carbon	156	..Hetero 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	157	...The hetero ring is six-membered and includes at least two nitrogens and no other hetero atoms
133	....Two or more such benzene rings	158	...The hetero ring is five-membered
134	..Acyclic carbon to carbon unsaturation	159	.Ortho-hydroxybenzoic acid (i.e., salicylic acid) or derivative DOAI
135	...Alkyne	160	..With additional ortho-hydroxybenzoic acid compound
136	...Phosphate ester having three ester groups (e.g., DDVP, etc.)	161	..With heterocyclic compound
137	..Nitrogen bonded directly to phosphorus	162	..With organic nitrogen containing compound
138	...N-P-N or N-N-P containing	163	..With carboxylic acid, ester or metal salt thereof
139	..Phosphorus bonded directly to halogen		
140	..(C) (R)P=X(-XC) containing (i.e., Phosphinate (X is chalcogen; R is C or H)		

164	..With organic oxygen containing compound	187	....Quinolines or isoquinolines (including hydrogenated)
165	..Aspirin per se (i.e., 2-(acetyloxy)benzoic acid)	188	...Hetero ring is six-membered consisting of one nitrogen and five carbons
166	..Nitrogen containing (e.g., anilides, etc.)	189	...Tin
167	..9,10-seco-cyclopentanohydrophenanthrene ring system (e.g., vitamin D, etc.) DOAI	190	...Mercury
168	..With a vitamin type active ingredient	191	..Aluminum (including salts)
169	..Cyclopentanohydrophenanthrene ring system DOAI	192	..1-thia-4-aza-bicyclo (3.2.0) heptane ring containing (including dehydrogenated) (e.g., penicillins, etc.)
170	..Plural Compounds containing cyclopentanohydrophenanthrene ring systems	193	...Spiro or additional polycyclo ring system
171	..With additional active ingredient	194	...6,6-di-substituted
172	..Hetero ring containing	195	...3-position substituent contains -COOC- group
173	...Spiro ring system	196	...6-position substituent contains hetero ring
174	...-O-C-O- is part of a hetero ring (e.g., acetonide, etc.)	197	...6-position substituent contains carbocyclic ring
175	...-C(=O)-O-is part of a hetero ring (e.g., lactone, etc.)	198	...Ampicillin per se or salt thereof
176	...Nitrogen containing hetero ring	199	...Penicillin G per se or salt thereof (e.g., procaine penicillin G, etc.)
177	..Oxygen double bonded to a ring carbon of the cyclopentanohydrophenanthrene ring system	200	..1-thia-5-aza-bicyclo (4.2.0) octane ring containing (including dehydrogenated) (e.g., cephalosporins, etc.)
178	..Oxygen single bonded to a ring carbon of the cyclopentanohydrophenanthrene ring system	201	...7,7-di-substituted
179	...Modified C-ring (except methyl in 13-position) (e.g., double bond containing, substituted, etc.)	202	...Additional hetero ring
180	....9-position substituted	203	...3-position substituent contains pyridine ring
181	....21-position substituted	204	...3-position substituent contains sulfur
182	..Oxygen single bonded to a ring carbon of the cyclopentanohydrophenanthrene ring system	205	....The additional hetero ring is part of a polycyclo ring system
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	206	....7-position substituent contains hetero ring
184	..Heavy metal containing (including salts)	207	...Alkyl, hydroxyalkyl, alkoxyalkyl or alkanoyloxyakyl bonded directly to 3-position
185	...Polycyclo ring system	208	...Sulfur containing substituent
186	....Bicyclo ring system	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
- 210.04Bicyclo ring system having the four-membered hetero ring as one of the cyclos
- 210.05Plural ring hetero atoms in the bicyclo ring system
- 210.06Ring oxygen in the bicyclo ring system
- 210.07The other cyclo of the bicyclo ring system is six-membered
- 210.081-oxa-5-aza-bicyclo (4.2.0) octanes (including unsaturated)
- 210.09The other cyclo of the bicyclo ring system is five-membered
- 210.1Sulfur bonded directly to the five-membered cyclo of the bicyclo ring system (e.g., thienamycin, etc.)
- 210.11Additional hetero ring attached directly to the sulfur
- 210.12The additional hetero ring contains ring nitrogen
- 210.13Having -C(=X)-, wherein X is chalcogen, bonded directly to the additional hetero ring
- 210.14Polycyclo 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
- 210.21Polycyclo 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
- 211.05Bicyclo ring system having the seven-membered hetero ring as one of the cyclos
- 211.06Ring chalcogen and ring nitrogen are in the 1,5-positions of the seven-membered hetero ring
- 211.07Nitrogen 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
- 211.12Ring nitrogen is shared by plural cyclos of the tricyclo ring system
- 211.13Nitrogen bonded directly to ring carbon of the seven-membered hetero ring

- 211.14Having -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
- 212.04Polycyclo ring system having the seven-membered hetero ring as one of the cyclos
- 212.05Plural cyclos of the polycyclo ring system share ring nitrogen of the seven-membered hetero ring
- 212.06Plural ring hetero atoms in the polycyclo ring system
- 212.07Bicyclo 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
- 214.01Ring nitrogen of the seven-membered hetero ring is shared by an additional cyclo of the polycyclo ring system
- 214.02Plural ring nitrogens in the polycyclo ring system
- 214.03Two of the cyclos share at least three ring members (i.e., bridged)
- 215 ...Additional hetero atom in the polycyclo ring system
- 216Two of the cyclos share at least three ring carbons (i.e., bridged)
- 217Tricyclo ring system having the seven-membered hetero ring a one of the cyclos
- 217.013-Benzazepines (including hydrogenated)
- 217.02Benzene 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
- 217.04The additional hetero ring is six-membered and contains nitrogen
- 217.05Plural ring hetero atoms in the additional hetero ring
- 217.06The additional hetero ring is a 1,3 diazine (including hydrogenated)
- 217.07Polycyclo 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
- 217.09Plural ring hetero atoms in the additional hetero ring
- 217.1Chalcogen 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
- 221Bicyclo 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

- 222.8Polycyclo ring system having the six-membered hetero ring as one of the cyclos
- 223.21,2,4 - Benzothiadiazine - 1,1 - dioxides (including hydrogenated)
- 223.5With additional active ingredient
- 223.81,3,5-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.)
- 224.5At least three cyclos in the polycyclo ring system
- 224.8Phenothiazines (including hydrogenated)
- 225.2Hetero ring attached directly or indirectly to the phenothiazine ring nitrogen by acyclic nonionic bonding
- 225.5The hetero ring is monocyclic piperidine
- 225.8The hetero ring contains plural ring nitrogens
- 226.2Chalcogen or nitrogen attached indirectly to the phenothiazine ring nitrogen by acyclic nonionic bonding
- 226.5One of the cyclos is a 1,2-thiazine (e.g., 1,2-benzothiazines, etc.)
- 226.8 ...1,3-Thiazines
- 227.2Chalcogen or nitrogen bonded directly to ring carbon of the six-membered hetero ring
- 227.5 ...1,4-Thiazines
- 227.8Additional hetero ring attached directly or indirectly to the 1,4-thiazine by nonionic bonding
- 228.2Polycyclo ring system having the additional hetero ring as one of the cyclos
- 228.5Three 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.)
- 229.8Tricyclo ring system having the six-membered hetero ring as one of the cyclos
- 230.2Ring nitrogen shared by two of the cyclos
- 230.5Bicyclo 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)
- 231.5Additional hetero ring attached directly or indirectly to the morpholine ring by nonionic bonding
- 231.8Plural morpholine rings attached directly or indirectly to each other by nonionic bonding
- 232.2Additional hetero ring attached directly or indirectly to the morpholines by nonionic bonding
- 232.5Polycyclo ring system having the additional hetero ring as one of the cyclos
- 232.8Polycyclo ring system having the additional hetero ring as one of the cyclos
- 233.2Ring nitrogen shared by two of the cyclos
- 233.5Bicyclo ring system having the additional hetero ring as one of the cyclos
- 233.8Plural ring hetero atoms in the bicyclo ring system
- 234.2Three or more ring hetero atoms in the bicyclo ring system
- 234.5Plural ring nitrogens in the bicyclo ring system
- 234.8Quinoxalines (including hydrogenated)
- 235.2Ring nitrogen in the bicyclo ring system
- 235.5Ring nitrogen in the additional hetero ring

- 235.8Plural ring nitrogens in the additional hetero ring (e.g., imidazole, pyrazine, etc.)
- 236.2Three or more ring hetero atoms in the additional hetero ring
- 236.5The ring nitrogens are bonded directly to each other (e.g., pyridazine, etc.)
- 236.8Ring chalcogen in the additional hetero ring (e.g., oxazole, etc.)
- 237.2The additional hetero ring is attached indirectly to the morpholine ring by an acyclic chain having a hetero atom as a chain member
- 237.5Having $-C(=X)-$, wherein X is chalcogen, bonded directly to the morpholine ring
- 237.8Nitrogen attached indirectly to the morpholine ring by acyclic nonionic bonding
- 238.2Chalcogen attached directly to the nitrogen by nonionic bonding
- 238.5The nitrogen is double or triple bonded directly to carbon
- 238.8Chalcogen attached indirectly to the morpholine ring by acyclic nonionic bonding
- 239.2The chalcogen is bonded directly to two carbon atoms
- 239.5Carbocyclic 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.)
- 243Polycyclo 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
- 2491,4-diazine as one of the cyclos
- 250At least three rings in the polycyclo ring system
- 251Isoalloxazine (e.g., riboflavins, Vitamin B2, etc.)
- 252.01 ...1,2 diazine attached directly or indirectly to an additional hetero ring by nonionic bonding
- 252.02The additional hetero ring is a diazine
- 252.03The additional hetero ring is six-membered consisting of one nitrogen and five carbon atoms
- 252.04Polycyclo ring system having the additional six-membered hetero ring as one of the cyclos
- 252.05The additional hetero ring is a five-membered nitrogen hetero ring
- 252.06Polycyclo ring system having the additional five-membered hetero ring as one of the cyclos
- 252.1 ...1,4 diazines
- 252.11Plural 1,4-diazine rings attached directly or indirectly to each other by nonionic bonding
- 252.12Piperazines (i.e., fully hydrogenated 1,4-diazines)
- 252.13Additional hetero ring attached directly or indirectly to the piperazine ring by nonionic bonding
- 252.14The additional hetero ring is a 1,3 diazine ring
- 252.15Spiro ring system containing
- 252.16Polycyclo ring system having the additional 1,3-diazine ring as one of the cyclos
- 252.17The polycyclo ring system is quinazoline (including hydrogenated)

- 252.18Additional 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
- 252.19Five-membered nitrogen hetero ring attached directly or indirectly to the 1,3-diazine ring by nonionic bonding
- 252.2Oxygen hetero ring attached directly or indirectly to the 1,3-diazine ring by nonionic bonding
- 253.01The additional hetero ring is six-membered consisting of one nitrogen and five carbon atoms
- 253.02Polycyclo ring system having the additional six-membered nitrogen hetero ring as one of the cyclos
- 253.03Tricyclo ring system having the additional six-membered nitrogen hetero ring as one of the cyclos
- 253.04Bicyclo ring having the additional six-membered nitrogen hetero ring as one of the cyclos
- 253.05Isoquinolines (including hydrogenated)
- 253.06Quinolines (including hydrogenated)
- 253.07Chalcogen bonded directly to carbon of the hetero ring of the quinoline ring system
- 253.08Having $-C(=X)-$, wherein X is chalcogen, bonded directly to carbon of the hetero ring of the quinoline ring system
- 253.09Five-membered nitrogen hetero ring attached directly or indirectly to the piperazine ring by nonionic bonding
- 253.1The five-membered nitrogen hetero ring has chalcogen as a ring member
- 253.11Chalcogen hetero ring attached directly or indirectly to the piperazine ring by nonionic bonding
- 253.12Chalcogen bonded directly to ring carbon of the additional six-membered nitrogen containing hetero ring
- 253.13Having $-C(=X)-$, wherein X is chalcogen, bonded directly to the additional six-membered nitrogen hetero ring
- 254.01The additional hetero ring is five-membered having ring nitrogen
- 254.02The additional five-membered hetero ring also has chalcogen as a ring member
- 254.03The additional five-membered hetero ring consists of two ring carbons, two ring nitrogens, and one ring chalcogen (e.g., oxadiazolyl, thiadiazolyl, etc.)
- 254.04The additional five-membered hetero ring consists of three ring carbons, and of nitrogen and chalcogen in adjacent ring positions (e.g., isoxazolyl, isothiazolyl, etc.)
- 254.05Plural nitrogens in the additional five-membered hetero ring
- 254.06Polycyclo ring system having the plural nitrogen containing additional five-membered hetero ring as one of the cyclos
- 254.07Chalcogen hetero ring attached directly or indirectly to the piperazine ring by nonionic bonding
- 254.08Polycyclo ring system having the additional five-membered nitrogen hetero ring as one of the cyclos
- 254.09Indole ring system (including hydrogenated) attached directly or indirectly to the piperazine ring by nonionic bonding
- 254.1Ring oxygen in the additional hetero ring
- 254.11Polycyclo ring system having the additional oxygen hetero ring as one of the cyclos

- 255.01Nitrogen or -C(=X)-, wherein X is chalcogen, bonded directly to the piperazine ring
- 255.02Chalcogen bonded directly to a piperazine ring carbon
- 255.03Carbocyclic ring bonded directly to the piperazine ring
- 255.04Plural carbocyclic rings bonded directly to the same acyclic carbon atom which is attached directly or indirectly to the piperazine ring by nonionic bonding
- 255.05Additional hetero ring attached directly or indirectly to the 1,4-diazine ring by nonionic bonding
- 255.06Nitrogen 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.)
- 257Polycyclo ring system having 1,3-diazine as one of the cyclos
- 258.1Bicyclo ring system having the 1,3-diazine as one of the cyclos
- 259.1A 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.)
- 259.2Ring chalcogen in the bicyclo ring system
- 259.3The 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.)
- 259.31The 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.)
- 259.4The 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.)
- 259.41Additional hetero ring is attached directly or indirectly to the bicyclo ring system by nonionic bonding
- 259.5Chalcogen bonded directly to a ring carbon of the 1,3-diazine ring
- 260.1Ring chalcogen in the bicyclo ring system
- 261.1Exactly five ring nitrogens in the bicyclo ring system (e.g., triazolo[4,5-d]pyrimidine, etc.)
- 262.1Exactly four ring nitrogens in the bicyclo ring system
- 263.1Purine (including hydrogenated)
- 263.2Additional hetero ring attached directly or indirectly to the purine ring system by nonionic bonding
- 263.21The additional hetero ring is a 1,3-diazine ring (including hydrogenated)
- 263.22The additional hetero ring is six-membered consisting of one nitrogen and five carbons
- 263.23The additional hetero ring consists of carbon and chalcogen as the only ring members
- 263.24The additional chalcogen containing hetero ring is part of a polycyclo ring system
- 263.3Chalcogen bonded directly to a ring carbon of the purine ring system
- 263.31With perservative, stabilizer, or an additional active ingredient
- 263.32Nitrogen containing hetero ring in the perservative, stabilizer, or additional active ingredient
- 263.33Chalcogen bonded directly to the 2-,6-, and 8-positions of the purine ring system

- 263.34Chalcogen bonded directly to the 2-and 6-positions of the purine ring system (e.g., theophylline, etc.)
- 263.35Nitrogen attached indirectly to the purine ring system by acyclic nonionic bonding
- 263.36Chalcogen attached indirectly to the purine ring system by acyclic nonionic bonding
- 263.37Nitrogen bonded directly to a ring carbon of the purine ring system (e.g., guanine, etc.)
- 263.38Chalcogen attached indirectly to the 9- position of the purine ring system by acyclic nonionic bonding
- 263.4Nitrogen bonded directly to ring carbon of the purine ring system (e.g., adenine, etc.)
- 264.1The other cyclo in the bicyclo ring system is a pyridine ring (including hydrogenated) (e.g., pyrido[2,3-d]pyrimidine, etc.)
- 264.11Nitrogen bonded directly to ring carbon of the 1,3-diazine ring of the bicyclo ring system
- 265.1The other cyclo in the bicyclo ring system is a pyrrole ring (including hydrogenated) (e.g., pyrrolo[3,2-d]pyrimidine, etc.)
- 266.1Quinazoline (including hydrogenated) (i.e., the second cyclo in the bicyclo ring system is an ortho-fused six-membered carbocycle)
- 266.2Additional hetero ring attached directly or indirectly to the quinazoline ring system by nonionic bonding
- 266.21The additional hetero ring is six-membered consisting of one nitrogen and five carbons
- 266.22Piperidinyl or tetrahydropyridyl
- 266.23The additional hetero ring is five-membered consisting of carbon and plural nitrogens as the only ring members
- 266.24The additional hetero ring consists of carbon and chalcogen as the only ring members
- 266.3Chalcogen bonded directly to a ring carbon of the 1,3-diazine ring of the quinazoline ring system
- 266.31Carbocyclic ring bonded directly to a ring carbon of the quinazoline ring system
- 266.4Nitrogen bonded directly to ring carbon of the 1,3-diazine ring of the quinazoline ring system
- 267Tricyclo ring system having 1,3-diazine as one of the cyclos
- 268Perimidine (including hydrogenated)
- 269Pyrimidines with chalcogen bonded directly to a ring carbon of said pyrimidine moiety
- 270Barbituric acid or derivative (including thioanalogs)
- 271Two or more barbituric acid compounds or with an additional active ingredient or stabilizer
- 272Nitrogen bonded directly to the 1,3-diazine at 2-position
- 273The nitrogen is part of a hetero ring
- 274Chalcogen bonded directly to pyrimidine at 2-position
- 275Nitrogen bonded directly to the 1,3-diazine at 2-position by a single bond
- 276Thiamines (e.g., vitamin B1, etc.)
- 277 ..Hetero ring is six-membered consisting of one nitrogen and five carbon atoms
- 278 ...Spiro ring system
- 279 ...Polycyclo ring system having the six-membered hetero ring as one of the cyclos

- 280Pentacyclo ring system having the six-membered hetero ring as one of the cyclos
- 281Two of the cyclos share at least three ring members (i.e., bridged)
- 282One of the five cyclos is five-membered and includes ring chalcogen (e.g., codeine, morphine, etc.)
- 283Ring nitrogen in the pentacyclo ring system is shared by five-membered cyclo and six-membered cyclo (e.g., vincamine, etc.)
- 284Tetracyclo ring system having the six-membered hetero ring as one of the cyclos
- 285Plural hetero atoms in the tetracyclo ring system (e.g., acronycines, etc.)
- 286Two of the cyclos share at least three ring members (i.e., bridged)
- 287Three or more hetero atoms in the tetracyclo ring system
- 288Ring carbon is shared by three of the cyclos
- 289Two of the cyclos share at least three ring members (i.e., bridged) (e.g., morphinans, etc.)
- 290Tricyclo ring system having the six-membered hetero ring as one of the cyclos
- 291Plural hetero atoms in the tricyclo ring system
- 292Plural ring nitrogens in the tricyclo ring system
- 293Three or more hetero atoms in the tricyclo ring system
- 294Ring nitrogen is shared by two of the cyclos
- 295Two of the cyclos share at least three ring carbons (i.e., bridged) (e.g., benzomorphans, etc.)
- 296Ring carbons shared by each of the three cyclos (e.g., 1,8-naphthalimides, etc.)
- 297Acridines (including hydrogenated)
- 298Phenanthridines (including hydrogenated)
- 299Bicyclo ring system having the six-membered hetero ring as one of the cyclos
- 300Plural hetero atoms in the bicyclo ring system
- 301Ring sulfur in the bicyclo ring system
- 302Ring oxygen in the bicyclo ring system
- 303Exactly three ring nitrogens in the bicyclo ring system
- 304Tropanes (including nor or dehydro form)
- 305Quinuclidines (including unsaturation)
- 306Quinolizines (including hydrogenated)
- 307Isoquinolines (including hydrogenated)
- 308Plural isoquinoline ring systems attached directly or indirectly to each other by nonionic bonding
- 309Chalcogen attached directly to the six-membered hetero ring by nonionic bonding
- 310Nitrogen, other than as nitro or nitroso, attached directly to the isoquinoline ring system by nonionic bonding
- 311Quinolines (including hydrogenated)
- 312Chalcogen attached directly to the six-membered hetero ring by nonionic bonding
- 313Nitrogen, other than as nitro or nitroso, attached directly to the six membered hetero ring by nonionic bonding
- 314Additional hetero ring attached directly or indirectly to the quinoline ring system by nonionic bonding
- 315 ...Piperidines
- 316Plural piperidine rings
- 317Additional ring containing
- 318The additional ring is a six-membered hetero ring consisting of one nitrogen and five carbon atoms

- 319The additional ring is one of the cyclos in a polycyclo ring system
- 320Hetero ring in the polycyclo ring system
- 321Plural hetero atoms in the polycyclo ring system
- 322Plural ring nitrogens in the polycyclo ring system
- 323Ring nitrogen in the polycyclo ring system
- 324Ring sulfur in the polycyclo ring system
- 325Polycyclo ring system is tricyclo-carbocyclic
- 326The additional ring is a hetero ring
- 327Chalcogen bonded directly to ring carbon of the piperidine ring
- 328Plural chalcogens bonded directly to ring carbons of the piperidine ring
- 329Nitrogen attached directly to the piperidine ring by nonionic bonding
- 330C=X bonded directly to the piperidine ring (X is chalcogen)
- 331Nitrogen 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
- 338Plural hetero atoms in the polycyclo ring system
- 339Ring nitrogen in the polycyclo ring system
- 340Ring nitrogen in the additional hetero ring (e.g., oxazole, etc.)
- 341The additional hetero ring consists of two nitrogens and three carbons
- 342Ring sulfur in the additional hetero ring
- 343The 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
- 355At 3-position
- 356C=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
- 3621,2,5-thiadiazoles (including hydrogenated)
- 3631,3,4-thiadiazoles (including hydrogenated)
- 364Oxadiazoles (including hydrogenated)
- 365 ...1,3-thiazoles (including hydrogenated)
- 366Polycyclo ring system having the thiazole ring as one of the cyclos
- 367Bicyclo ring system having the thiazole ring as one of the cyclos
- 368Ring 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
- 371C=X bonded directly to the nitrogen which is bonded directly to the thiazole ring (X is chalcogen)
- 372 ...1,2-thiazoles (including hydrogenated)
- 373Polycyclo ring system having the thiazole ring as one of the cyclos
- 374 ...1,3-oxazoles (including hydrogenated)
- 375Polycyclo 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)
- 379Polycyclo 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
- 387Polycyclo ring system having the diazole ring as one of the cyclos
- 388Nitrogen double bonded directly at 2-position of the diazole ring, or tautomeric equivalent
- 389Divalent chalcogen or acyclic nitrogen double bonded directly at both 2- and 4-positions, or tautomeric equivalent (e.g., hydantoin, etc.)
- 390Chalcogen or nitrogen bonded directly at 1-, 3-, or 5-position by nonionic bonding
- 391Benzene ring bonded directly to the diazole ring by nonionic bonding
- 392Divalent chalcogen or acyclic nitrogen double bonded at 2-position, or tautomeric equivalent
- 393 ...Polycyclo ring system having the diazole ring as one of the cyclos
- 394Benzo fused at 4,5-positions of the diazole ring
- 395Chalcogen or nitrogen bonded directly at 1-, 2- or 3-position of the diazole ring by nonionic bonding
- 396Imidazoles
- 397Additional hetero ring

398	.....Chalcogen or nitrogen bonded directly to the imidazole ring by nonionic bonding	418	.....Chalcogen bonded directly to ring carbon of the five-membered hetero ring
399	.....Chalcogen or nitrogen bonded indirectly 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)
400	.....At imidazole ring carbon		
401	....2-imidazolines		
402	....Additional hetero ring		
403	...1,2-diazoles	420	.....Indomethacine per se or ester thereof
404	...Divalent chalcogen or acyclic nitrogen double bonded directly to ring carbon of the diazole ring, or tautomeric equivalent	421	.....Chalcogen bonded directly to ring carbon of the five-membered hetero ring (e.g., adrenochrome, etc.)
405	.....Polycyclo ring system having the diazole ring as one of the cyclos	422	...Additional hetero ring
406	....Pyrazoles	423	...C=X bonded directly to the five-membered hetero ring by nonionic bonding (X is chalcogen)
407	.....Chalcogen or nitrogen bonded directly to the pyrazole ring by nonionic bonding	424	...Chalcogen bonded directly to the five-membered hetero ring by nonionic bonding
408	...The five-membered hetero ring consists of one nitrogen and four carbons	425	....Plural chalcogens bonded directly to the five-membered hetero ring by nonionic bonding
409	....Spiro ring system		
410	....Polycyclo ring system having the five-membered hetero ring as one of the cyclos	426	...Nitrogen bonded directly to the five-membered hetero ring by nonionic bonding
411	.....Tricyclo ring system having the five-membered hetero ring as one of the cyclos	427	...Two double bonds between ring members of the five-membered hetero ring (e.g., pyrrole, etc.)
412	.....Bicyclo ring system having the five-membered hetero ring as one of the cyclos	428	...Chalcogen bonded indirectly to the five-membered hetero ring by acyclic nonionic bonding
413	.....Ring nitrogen is shared by the cyclos of the bicyclo ring system	429	...Carbocyclic ring bonded directly to the five-membered hetero ring
414	.....Additional hetero ring which is not part of the bicyclo ring system	430	..Sulfur containing hetero ring
415	.....The bicyclo ring system consists of the five-membered hetero ring and a benzene ring (e.g., indole, etc.)	431	...The hetero ring has at least seven members
416	.....The ring nitrogen is bonded directly to nonshared ring carbons of the five-membered hetero ring (e.g., isoindole, etc.)	432	...The hetero ring is six-membered
417	.....Plural chalcogens bonded directly to ring carbons of the five-membered hetero ring (e.g., phthalimide, etc.)	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

- 437Tricyclo ring system having the hetero ring as one of the cyclos
- 438 ...The hetero ring is five-membered
- 439Plural hetero atoms in the hetero ring
- 440Only two ring sulfurs in the hetero ring
- 441Chalcogen bonded directly to ring carbon of the hetero ring
- 442Nitrogen bonded directly to the hetero ring by nonionic bonding
- 443Polycyclo ring system having the hetero ring as one of the cyclos
- 444Additional hetero ring
- 445Chalcogen bonded directly to ring carbon of the hetero ring
- 446Chalcogen bonded directly to ring sulfur by nonionic bonding
- 447Nitrogen bonded directly to the hetero ring
- 448C=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
- 452Plural ring oxygens in the hetero ring
- 453Polycyclo ring system having the hetero ring as one of the cyclos
- 454Tricyclo ring system having the hetero ring as one of the cyclos
- 455Chalcogen bonded directly to ring carbon of the hetero ring
- 456Bicyclo ring system having the hetero ring as one of the cyclos (e.g., chromones, etc.)
- 457Coumarins (including hydrogenated)
- 458Tocopherols (e.g., vitamin E, etc.)
- 459Nitrogen containing
- 460Chalcogen bonded directly to ring carbon of the hetero ring
- 461 ...The hetero ring is five-membered
- 462Spiro ring system
- 463Plural ring oxygens in the hetero ring
- 464Bicyclo ring system having the hetero ring as one of the cyclos (e.g., methylenedioxyphenyl group, etc.)
- 465The hetero ring is substituted
- 466Nitrogen containing
- 467Only two ring oxygens in the hetero ring which is not a polycyclo ring system (e.g., dioxolane, etc.)
- 468Polycyclo ring system having the hetero ring as one of the cyclos
- 469Bicyclo ring system having the hetero ring as one of the cyclos
- 470Chalcogen or nitrogen bonded directly to the hetero ring
- 471 ...Nitrogen containing
- 472The nitrogen bonded directly to the hetero ring
- 473 ...Chalcogen bonded directly to the hetero ring
- 474Ascorbic acid or derivative (e.g., vitamin C, etc.)
- 475 ...The hetero ring is three-membered
- 476 ..N-C(=X)X containing (X is chalcogen) DOAI
- 477 ..N-C(=X)-X-N containing
- 478 ..N-C(=X)-X-C containing
- 479 ...With an additional active ingredient
- 480 ...Polycyclo ring system attached by nonionic bonding
- 481Naphthyl ring system
- 482 ...N-C(=X)-N, N-C(=N)N, N-N, nitrogen directly bonded to oxygen by nonionic bonding or cyano containing
- 483 ...Plural N-C(=X)-X groups
- 484 ...Ring in acid moiety
- 485The ring is a benzene ring
- 486Phenoxy in acid moiety
- 487The benzene ring is attached to nitrogen through an acyclic carbon or carbon chain

488	.....Ring in alcohol moiety	519	..Cyano or isocyano bonded directly to carbon
489	...Ring in alcohol moiety	520	...Benzene ring containing
490	...Ring attached directly to oxygen of N-C(=O)-O	521	....C=O other than as ketone or aldehyde
491	..With an additional active ingredient	522	.....The cyano is bonded directly to a benzene ring
492	..Heavy metal containing DOAI	523	...Additional nitrogen other than cyano
493	..Tin	524	.....The cyano is bonded directly to a benzene ring
494	..Zinc	525	...Two or more of the cyano groups
495	..Gold or silver	526	...Acyclic
496	..Mercury	527	....C=O other than as ketone or aldehyde
497	...Nitrogen containing	528	.....C(=O)N containing
498	..Lead	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
499	..Copper	530	...Z contains a cyclopentyl or cyclopentene ring
500	..With an additional active ingredient	531	...Z contains a cyclopropyl or cyclopropene ring
501	..Nickel or cobalt	532	...Z-C(=O)-O-Y, wherein Z contains a benzene ring
502	..Iron	533	...Compound contains two or more C(=O)O groups indirectly bonded together by only conalant bonds
503	..Antimony or bismuth	534	....Z or Y radical contains a nitrogen atom
504	..Arsenic	535	.....The nitrogen of the Z radical is directly bonded to a benzene ring which is directly bonded to the C(=O) group
505	..Cadmium or chromium	536	.....With an agent to enhance topical absorption or with a stabilizing agent
506	..Ester DOAI	537	.....With an additional active ingredient
507	..R-C(=X)-N-X-C containing (e.g., hydroxamic acid ester, etc.) (R is C or H and X is chalcogen)	538	....Nitrogen bonded to carbon in Z moiety
508	..X-C=N containing (e.g., imidoester, etc.) (X is chalcogen)	539	.....Plural separated benzene rings in Z moiety
509	..(O)=N(=O)-O-C containing (e.g., nitrate ester, etc.)	540	.....Nitrogen in Y moiety
510	..Polycyclo ring system	541	.....Aldehyde or ketone in Z or Y radical
511	...Two of the cyclos share at least three ring members (i.e., bridged)		
512	..X-C(=X)-X containing (e.g., carbonic acid ester, thiocarbonic acid ester, etc.) (X is chalcogen)		
513	..C-C(=X)-X-C containing (X is chalcogen and at least one X is other than oxygen)		
514	..Carbon bonded to -NCX or -XCN (e.g., cyanate, thiocyanate or isothiocyanate, etc.) (X is chalcogen)		
515	..With an additional active ingredient		
516	...Containing plural -NCX or -XCN groups or a cyano		
517	..S-X-C containing (e.g., sulfates, etc.) (X is chalcogen)		
518	...S of S-X-C attached directly to a benzene ring		

- 542Z radical contains two or more nitrogen atoms at least one of which forms a C(=X)N group (X is chalcogen)
- 543Z forms a phenoxy alkyl or phenoxy alkenyl radical
- 544C(=O)O attached directly through the carbon to a benzene ring
- 545 ...Ketone in Z radical
- 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
- 547Compound contains two or more C(=O)O groups
- 548Ring is alcohol moiety
- 549Z radical contains carbon to carbon unsaturation
- 550Z radical contains sulfur or halogen
- 551Z radical contains nitrogen
- 552Z contains an unbroken chain of at least seven carbon atoms bonded directly to the C(=O) group
- 553 ..Radical -XH acid, or anhydride, acid halide or salt thereof (X is chalcogen) DOAI
- 554 ..Amine addition salt of the acid
- 555 ...Benzene ring in acid moiety
- 556 ..Inner quaternary ammonium salt (e.g., betaine, etc.)
- 557 ..Carboxylic acid, percarboxylic acid, or salt thereof (e.g., peracetic acid, etc.)
- 558 ...Higher fatty acid or salt thereof
- 559Ring containing
- 560Carbon to carbon unsaturation
- 561 ...Nitrogen other than as nitro or nitroso nonionically bonded
- 562Sulfur nonionically bonded
- 563RC(=O)N containing (i.e., carboxamide) (R is C or H)
- 564Plural nitrogens nonionically bonded
- 565N-N or N=C(-N)-N containing (e.g., hydrazines, hydrazones, or guanidines, etc.)
- 566Polycarboxylic acid
- 567Benzene ring nonionically bonded
- 568 ...Benzene ring nonionically bonded
- 569Polycyclo ring system
- 570Carboxy or salt thereof only attached indirectly to the benzene ring
- 571Ether oxygen single bonded to carboxylic acid, percarboxylic acid or salt thereof through an acyclic carbon or acyclic carbon chain
- 572 ...Cyclic carboxylic acid containing three to five carbons or cyclic percarboxylic acid containing three to five carbons or salt thereof
- 573Cyclopentyl or cyclopentene (e.g., prostaglandins, etc.)
- 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
- 580 ..Thioureas (i.e., N-C(=S)-N)
- 581 ...Thiocarbazides or thiosemicarbazides (i.e., N-N-C(=S)-N containing)
- 582Thiocarbazonones or thiosemicarbazones (i.e., C=N-N-C(=S)-N containing)
- 583Benzene ring containing
- 584 ...C=O, sulfur or cyano attached directly to thiourea nitrogen by nonionic bonding
- 585 ...Benzene ring containing
- 586Nitrogen attached indirectly to the -C(=S)-group by nonionic bonding
- 587Oxygen containing
- 588 ..Ureas (i.e., N-C(=O)-N)
- 589 ...Nitro or nitroso bonded directly to amino nitrogen (e.g., nitramine, nitrosamine, nitro-urea, etc.)
- 590 ...Carbazides or semicarbazides (i.e., N-N-C(=O)-N containing)
- 591 ...Biurets (i.e., N-C(=O)-N-C(=O)-N)

592	...Sulfur attached directly to urea nitrogen by nonionic bonding	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)
593	....Sulfur is part of a substituent which contains additional nitrogen	614	...N-N containing (e.g., aminimine, hydrazine, etc.)
594	...Additional C=O bonded directly to urea nitrogen	615	....R contains benzene ring
595	...Benzene ring containing	616	...Plural carboxamide groups or plural C=O groups bonded directly to the same nitrogen
596	....Benzene ring bonded directly to urea nitrogen	617	...R contains benzene ring
597	....Benzene ring is part of a substituent which contains nitrogen	618	....Sulfur in R
598	....Benzene ring is part of a substituent which contains oxygen	619	...Nitrogen in R
599	..Thiocarboxamides, (i.e., C(=S)-N)	620	....The nitrogen in R is an amino nitrogen attached indirectly to a ring by acyclic bonding
600	..Sulfamides (i.e., N-(O=)S(=O)-N)	621	....C=O in R
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)	622	....C-O- group in R
602	...Q contains benzene ring	623	...Plural alicyclic rings in R
603	....Nitrogen in Q	624	...Three-membered ring in R
604	....Q is monocyclic	625	...R is acyclic
605	...Q is acyclic and benzene ring in a substituent E	626	....Nitrogen in R
606	..N-S-S containing	627	....Carbon to carbon unsaturation in R
607	..N-S-N containing or contains a nitrogen bonded directly to a S=O group (e.g., sulfinamides, etc.)	628	...Halogen bonded directly to carbon in R
608	..Sulfur attached directly to amino nitrogen by nonionic bonding (e.g., sulfenamides, etc.)	629	...R is hydrogen or a lower saturated alkyl of less than seven carbons
609	..Cyanamides (i.e., compounds containing cyano bonded directly to amino nitrogen)	630	....A ring or polycyclic 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
610	..Nitramines (i.e., compounds containing nitro bonded directly to amino nitrogen)	631	..Amidines (i.e., N=C-N)
611	..Nitrosamines (i.e., compounds containing nitroso bonded directly to amino nitrogen)	632	...Amidino hydrazines or hydrazones (i.e., N-N=C-N or N=C-N-N)
612	..Haloamines (i.e., compounds containing halogen attached directly to amino nitrogen by nonionic bonding)	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
- 650The aryl ring or aryl ring system is bonded directly to another ring or ring system
- 651Ether oxygen is part of the chain
- 652Alkanol 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)
- 653Hydroxy, bonded directly to carbon, attached directly or indirectly to the acyclic carbon or chain by acyclic nonionic bonding (e.g., beta hydroxy phenethylamines, etc.)
- 654The chain consists of two or more carbons which are unsubstituted or have acyclic hydrocarbyl substituents only
- 655The 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
- 657Bicyclo 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
- 662Tricyclo 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
- 668Polyether
- 669Polyhydroxy
- 670Monoether
- 671 ...Carbon to carbon unsaturation
- 672 ...Halogen bonded directly to carbon
- 673 ...Plural amino nitrogens
- 674Three or more amino nitrogens
- 675 .Ketone DOAI
- 676 ..Nitrogen containing
- 677 ...Bicyclo ring system having a benzene ring as one of the cyclos
- 678 ..Benzene ring containing
- 679 ...Plural rings
- 680Polycyclo ring system
- 681Bicyclo
- 682Naphthyl ring system
- 683 ...Alicyclic ring
- 684Five-membered alicyclic ring
- 685 ...C=O bonded directly to benzene ring
- 686Two benzene rings bonded directly to the same C=O
- 687Oxygen single bonded to carbon
- 688 ...C=O bonded directly to benzene ring (e.g., acetophenone, etc.)
- 689 ...Oxygen single bonded to carbon
- 690 ..Alicyclic ring containing
- 691 ...Plural alicyclic rings
- 692 ...Camphor or nuclear substituted derivatives thereof
- 693 .Aldehyde DOAI
- 694 ..Formaldehyde
- 695 ...With polycyclo compound
- 696 ...With alcohol

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
710	....Acyclic carbon to carbon unsaturation	745	...Alkyne
711	....Acyclic	746	...Plural halogenated hydrocarbon compounds
712	..Thioether	747	..Carbocyclic
713	..Acyclic carbon to carbon unsaturation	748	...Two benzene rings directly attached to an acyclic hydrocarbon or acyclic halogenated hydrocarbon (e.g., D.D.T., etc.)
714	..Peroxide DOAI	749	....Fluorine containing
715	..Ether DOAI	750	....With organic ether or -OH containing compound non-DOAI
716	..Nitrogen containing	751	...Benzene ring containing
717	..Benzene ring containing	752	....Alkyne
718	...Plural oxygens	753	....Polycyclo ring system
719	....Alicyclic ring	754	....Plural benzene rings
720	....Acyclic carbon to carbon unsaturation	755	...Polycyclo ring system
721	....Plural benzene rings	756	....Bicyclo
722	..Acyclic	757	..Two or more halogenated hydrocarbons
723	...Plural oxygens	758	..Chlorine as only halogen
724	..C-O-group (e.g., alcohol, alcoholate, etc.) DOAI	759	..Fluorine as only halogen
725	..Vitamin A compound or derivative	760	..Bromine and chlorine as only halogens
726	..Diphenyl-substituted acyclic alcohol or alcoholate	761	..Bromine and fluorine as only halogens
727	..Nitrogen containing	762	..Hydrocarbon DOAI
728	...C of C-O- group is nuclear C of a benzene ring (e.g., phenol, phenolate, etc.)	763	..Carbocyclic
729	..Alicyclic ring containing	764	...Benzene ring containing
730	..Benzene ring containing	765	....Polycyclo ring system
731	...C of C-O- group is nuclear C of a benzene ring (e.g., phenol, phenolate, etc.)	766	...Polycyclo ring system
		767	..With phosphorus containing non-DOAI
		768	..With sulfur containing non-DOAI
		769	DESIGNATED INORGANIC NONACTIVE INGREDIENT OR ELEMENTAL MATERIAL OTHER THAN WATER

770	.Siliceous or calcareous material (e.g., clay, earth, etc.)	803	KININ OR DERIVATIVES
771	.Oxygen gas containing	804	PHECMYCIN SERIES OR DERIVATIVES
772	DESIGNATED ORGANIC NONACTIVE INGREDIENT CONTAINING OTHER THAN HYDROCARBON	805	ADRENOCORTICOTROPIC HORMONE OR DERIVATIVES
772.1	.Aftertreated solid synthetic organic polymer (e.g., grafting, blocking, etc.)	806	SOMATOSTATIN OR DERIVATIVES
772.2	..Polyvinyl alcohol	807	OXYTOXIN, VASOPRESSIN OR DERIVATIVES
772.3	.Solid synthetic organic polymer	808	CALCITONIN OR DERIVATIVES
772.4	..Polymer from ethylenic monomers only	809	ENKEPHALIN OR ENDORPHIN OR DERIVATIVES
772.5	..Heterocyclic monomer	810	ADDICTION
772.6	..Carboxylic acid containing monomer	811	.Alcohol
772.7	..Heterocyclic monomer	812	.Narcotic
773	.Peptide containing	813	.Tobacco
774	..Gelatin or derivative	814	ANEMIA
775	..Casein (milk protein) or derivative	815	.Sickle cell
776	..Albumin or derivative	816	ANESTHETIC, GENERAL
777	.Carbohydrate or lignin, or derivative	817	ANESTHETIC, TOPICAL
778	..Starch or derivative	818	ANESTHETIC, LOCAL
779	..Algin or derivative	819	ANTACID, ORAL
780	..Locust bean gum	820	.With antifatulent
781	..Cellulose or derivative	821	ANTIARRHYTHMIC
782	.Natural gum or resin	822	ANTICOAGULATION
783	.Plant extract or plant material of undetermined constitution	823	ANTIDOTE
784	.Carboxylic acid or salt thereof	824	ARTERIOSCLEROSIS
785	.Carboxylic acid ester	825	ARTHRITIS
786	..Glyceride	826	ASTHMA
787	..Beeswax	827	ASTRINGENT, NONFACIAL
788	.Nitrogen containing	828	.Topical for the skin
788.1	SOLID SYNTHETIC ORGANIC POLYMER DERIVED SOLELY FROM HYDROCARBON REACTANTS AS DESIGNATED ORGANIC NONACTIVE INGREDIENT CONTAINING	829	BITE OR STING
789	MISCELLANEOUS (E.G., HYDROCARBONS, ETC.)	830	.Insect
		831	.Animal (nonpoisonous)
		832	BLOOD SUBSTITUTE
		833	BLOOD PLASMA EXTENDER
		834	COAGULANT
		835	CARIES
		836	CHELATE
		837	CHOLERA
		838	CIRRHOSIS
		839	CONTACT LENS TREATMENT
		840	.Chemical sterilizing
		841	CONTRACEPTIVE
		842	.Non-mammal
		843	.Female (mammal)
		844	COSMETIC, FACIAL
		845	.Liquid make-up
		846	.Cleansing cream or lotion
		847	.Facial moisturizer
		848	.Facial astringent
		849	COUGH AND COLD PREPARATION
		850	.Antitussive
		851	CYSTIC FIBROSIS
		852	DANDRUFF
		853	DECONGESTANT
<u>CROSS-REFERENCE ART COLLECTIONS</u>			
800	LHRH LIKE		
801	COLLAGEN, GELATIN OR DERIVATIVES THEREOF		
802	FIBRINOPEPTIDES, BLOOD- COAGULATION FACTORS OR DERIVATIVES		

854	.Vasoconstrictor	906	MUSCLE RELAXANT
855	.Expectorant	907	MUSCULAR DYSTROPHY
	DERMATITIS	908	LEUKEMIA
858	.Athlete's foot	909	OBESITY
859	.Acne	910	.Anorectic
860	.Cellulitis	911	.Bulking agent
861	.Eczema	912	OPHTHALMIC
862	.Poison (ivy, oak, sumac)	913	.Glaucoma
863	.Psoriasis	914	.Inflammation
864	.Seborrhea	915	.Wetting agent
865	.Diaper rash	916	PYRETIC
866	DIABETES	917	RADIOACTIVE, ANTI-
867	DIARRHEA	918	REPELLENT
868	DISTEMPER	919	.Insect
869	DIURETIC	920	.Mammal
870	EDEMA	921	SHOCK
871	.Topical	922	SIDE EFFECT REDUCTION BY
872	EMESIS (MOTION SICKNESS-NAUSEA)		INCORPORATION OF A SECOND
873	EMOLLIENT		DESIGNATED INGREDIENT
874	ESTROGENIC AGENT	923	SLEEP AID (INSOMNIA)
	(NONCONTRACEPTIVE)	924	TUBERCULOSIS
875	FLEA CONTROL	925	ULCER TREATMENT
876	.Collar type	926	.Duodenal
877	GALLSTONE	927	.Peptic
878	GERIATRICS	928	.Topical
879	.Senility	929	VASODILATOR
880	HAIR TREATMENT (THERAPEUTIC-	930	VASOCONSTRICTOR (NONDECONGESTANT)
	SCALP)	931	VENERAL DISEASE
881	.Shampoo	932	.Gonorrhoea
882	HEMORRHOID PREPARATION	933	.Syphilis
883	HODGKIN'S DISEASE	934	.Virus
884	HYPOGLYCEMIA	935	UTERINE MOTILITY
885	IMMUNE RESPONSE AFFECTING DRUG		LIQUID CARRIER, DILUENT OR
886	INFLAMMATION, SKIN		SOLVENT
887	.Topical Treatment	936	DMSO CONTAINING
888	INFLUENZA	937	DISPERSION OR EMULSION
889	INTERFERON INDUCER	938	.Oil-water type
890	IRRITANT (E.G., TEAR GAS, ETC.)	939	..Mineral oil-water type
891	KIDNEY STONE	940	...Quick break type
892	LAXATIVE	941	...Polyoxyalkylated compound
893	LIVER DISORDER		containing
894	.Hepatitis	942	...Organic sulfonate, sulfate or
895	MALARIA		sulfite containing
896	MEASLES	943	...Higher fatty acid or
897	.Rubella		derivative containing
898	MENINGITIS	944	GEL
899	MENSTRUAL DISORDER	945	FOAM
	MOUTH TREATMENT	946	PENETRANT OR ABSORBENT (ENHANCES
900	.Periodontitis		PENETRATION INTO SUBJECT
901	.Mouthwash		TREATED)
902	.Gingival	947	.Topical application
903	MULTIPLE SCLEROSIS		SOLID CARRIER OR SOLID DILUENT
904	MULTIPLE VITAMINS	948	SOLID CANDY TYPE
905	.With mineral		

949 **NATURALLY DERIVED CLAY (E.G.,
BENTONITE, ETC.)**

950 **MACROMOLECULAR (OTHER THAN
SYNTHETIC RESINS)**

951 **POWDERS, GRANULES OR PARTICLES OF
SPECIFIED MESH OR PARTICLE
SIZE**

952 .Wettable

953 **SHAPED FORMS ADAPTED FOR
NONINGESTIBLE USE OTHER THAN
SUPPOSITORY TYPE (E.G., FILMS,
INSERTS, ETC.)**

954 .Ocular

955 ..Biodegradable type

956 .Aural or otic (i.e., ear)

**GASEOUS OR GAS EMITTING CARRIER
OR PROPELLANT**

957 **VAPOR EMMITTING COMPOSITION
FOR SMOKING OR INHALING**

958 **BREATHING GASES**

959 **PILL, LOZENGE, TABLET OR CAPSULE
SIGNIFICANT, TABLET FORMULATION
(E.G., DESIGNATED EXCIPIENT,
DISINTEGRANT, GLYDENT OR
LUBRICANT, ETC.)**

961 .Binder therefor

962 **CAPSULE (E.G., GELATIN, ETC.)**

963 .Microcapsule-sustained or
differential release

964 **SUSTAINED OR DIFFERENTIAL RELEASE
TYPE**

965 .Discrete particles in supporting
matrix

SUPPOSITORY, BOUGIE OR BASE

966 **RECTAL**

967 **VAGINAL**

968 **URETHRAL**

969 **OINTMENT OR SALVE BASE**

**SPECIAL DESIGNATED INGREDIENT
CONTAINING DESIGNATED INGREDIENT
TO STABILIZE AN ACTIVE
INGREDIENT**

971 .Crystallization point depressant
or cold stabilizer containing

972 .Ultraviolet light stabilizer
containing

973 .Sulfur compound additive as
stabilizer (e.g., sulfites,
etc.)

974 **CONTAINING DESIGNATED INGREDIENT
TO REDUCE NOXIOUS EFFECTS OF
ACTIVE INGREDIENT (E.G., TASTE
MASKING, ODOR REDUCING, ETC.)**

975 **CHARACTERIZED BY THE DESIGNATED
SURFACTANT USED**

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 102Diazine 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)
- FOR 109 ..Peptide containing (e.g., protein, peptones, fibrinogen, etc.) DOAI (514/2)
- FOR 110 ..Insulin or derivative (514/3)
- FOR 111 ...With an additional active ingredient (514/4)
- FOR 112 ..Iodine containing (514/5)
- FOR 113 ..Heavy metal containing (e.g., hemoglobin, etc.) (514/6)
- FOR 114 ..Phosphorus containing (514/7)
- FOR 115 ..Glycoprotein (carbohydrate containing) (514/8)
- FOR 116 ..Cyclopeptides (514/9)
- FOR 117 ...Bicyclic (514/10)
- FOR 118 ..Monocyclic (514/11)
- FOR 119 ..25 or more peptide repeating units in known peptide chain structure (514/12)
- FOR 120 ..16 to 24 peptide repeating units in known peptide chain (514/13)
- FOR 121 ..12 to 15 peptide repeating units in known peptide chain (514/14)
- FOR 122 ..9 to 11 peptide repeating units in known peptide chain (514/15)
- FOR 123 ..7 or 8 peptide repeating units in known peptide chain (514/16)
- FOR 124 ..5 or 6 peptide repeating units in known peptide chain (514/17)
- FOR 125 ..3 or 4 peptide repeating units in known peptide chain (514/18)
- FOR 126 ..2 peptide repeating units in known peptide chain (514/19)
- FOR 127 ...Guanidine containing (514/20)
- FOR 128 ..Produced by or extracted from animal tissue (514/21)
- DIG 1 .RU 486 (i.e., RU 38486, RU 486-6, Mifepristone, Mifestone, Mifegyne, (11B-[4-(N, N-dimethylamino) phenyl]-17a-(prop-1-ynyl)-^{4,9}-estradiene-17B-ol-3-one, (11B,17B)11-[4-(dimethylamino)-phenyl]-17-hydroxy-17-(1-propynyl) estro-4,9-dien-3-one)

DIGESTS