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|--|---|-----|--|
|  |   | 121 | ...Hydrocarbon, halocarbon or halohydrocarbon preservative or stabilizer               |
| This Class 570 is considered to be an integral part of Class 260 (see the Class 260 schedule for the position of this Class in schedule hierarchy). This Class retains all pertinent definitions and class lines of Class 260. |   | 122 | ...Acyclic carbon to carbon unsaturation containing                                    |
|  |   | 123 | ..Fluorine containing  |
|  |   | 124 | ...Product   |
|  |   | 125 | ...Polymer of unsaturated compound   |
|  |   | 126 | ....Fluorine is sole halogen   |
|  |   | 127 | ...Benzene ring containing   |
|  |   | 128 | ....Acyclic unsaturation containing  |
|  |   | 129 | ....Plural carbocyclic rings containing  |
|  |   | 130 | ...Plural carbocyclic rings containing   |
|  |   | 131 | ...Carbocyclic ring contains six carbon atoms  |
|  |   | 132 | ...Carbocyclic ring contains four carbon atoms   |
|  |   | 133 | ...Carbocyclic ring contains three carbon atoms  |
|  |   | 134 | ...Acyclic   |
|  |   | 135 | ....Unsaturated  |
|  |   | 136 | .....Fluorine is sole halogen  |
|  |   | 137 | ....Bromine or iodine containing   |
|  |   | 138 | ...Polymerization of unsaturated compound  |
|  |   | 139 | ...With chain terminating agent (e.g., telogen, etc.)                                  |
|  |   | 140 | ...From organic compound containing an element other than carbon, hydrogen, or halogen |
|  |   | 141 | ...Nitrogen containing   |
|  |   | 142 | ...Oxygen containing   |
|  |   | 143 | ...Preparing benzene ring containing compound  |
|  |   | 144 | ...Haloalkyl containing compound   |
|  |   | 145 | ....By substituting halogen for a different halogen in haloalkyl group                 |
|  |   | 146 | ...Forming the benzene ring  |
|  |   | 147 | ...Substituting halogen for different halogen or hydrogen                              |
|  |   | 148 | ...Forming alicyclic ring from benzene ring  |
|  |   | 149 | ...Forming alicyclic ring from acyclic compound  |
|  |   | 150 | ...Preparing from elemental carbon, carbon oxide, or carbon disulfide                  |
|  |   | 151 | ...Isomerization   |
|  | <b>ORGANIC COMPOUNDS (CLASS 532, SUBCLASS 1)</b>                                    |     |  |
| 101  | .HALOGEN CONTAINING   |     |  |
| 102  | ..With preservative or stabilizer   |     |  |
| 103  | ...To prevent or reduce polymerization  |     |  |
| 104  | ...Nitrogen bonded directly to oxygen in preservative or stabilizer                 |     |  |
| 105  | ....Oxygen single bonded directly to benzene ring in preservative or stabilizer     |     |  |
| 106  | ....Sulfur containing preservative or stabilizer                                    |     |  |
| 107  | ...Acetylenic unsaturation containing preservative or stabilizer                    |     |  |
| 108  | ...Hydroxy, bonded directly to carbon, or ether containing                          |     |  |
| 109  | ...Nitrogen containing hetero ring in preservative or stabilizer                    |     |  |
| 110  | ...Acyclic nitro containing preservative or stabilizer                              |     |  |
| 111  | ...Nitrogen other than as ammonia or the ammonium ion in preservative or stabilizer |     |  |
| 112  | ....Nitrile   |     |  |
| 113  | ....Imine (e.g., hydrazone, oxime, etc.)  |     |  |
| 114  | ...Oxygen containing hetero ring in preservative or stabilizer                      |     |  |
| 115  | ....Hetero ring containing plural ring oxygens                                      |     |  |
| 116  | ....Oxirane ring  |     |  |
| 117  | ...Carbonyl containing preservative or stabilizer                                   |     |  |
| 118  | ...Hydroxy, bonded to carbon, or ether containing preservative or stabilizer        |     |  |
| 119  | ....Phenolic  |     |  |
| 120  | ...Sulfur containing preservative or stabilizer                                     |     |  |

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|-----|--|-----|---|
| 152 | ...Decreasing molecular weight of polymer of indeterminate structure                           | 180 | ...Including extraction with organic liquid   |
| 153 | ...Preparing unsaturated compound  | 181 | ..Product   |
| 154 | ...From acetylenically unsaturated compound  | 182 | ...Benzene ring containing  |
| 155 | ...By dehalogenation or dehydrohalogenation of adjacent carbon atoms in a compound             | 183 | ...Polycyclo ring system  |
| 156 | ....Catalyst utilized  | 184 | ...Plural benzene rings bonded directly to the same acyclic carbon or attached by an acyclic carbon chain     |
| 157 | .....Alkali or alkaline earth metal containing catalyst  | 185 | ...Benzene ring and halogen bonded directly to the same acyclic carbon or attached by an acyclic carbon chain |
| 158 | .....Zinc containing catalyst  | 186 | ..Alicyclic ring containing   |
| 159 | ...From methane or halomethane   | 187 | ...Polycyclo ring system  |
| 160 | ...Substituting fluorine for a different halogen   | 188 | ...Plural rings containing  |
| 161 | ...Utilizing halogen fluoride or a mixture of elemental fluorine and another elemental halogen | 189 | ...Acyclic carbon to carbon unsaturation containing   |
| 162 | ...Utilizing a compound containing silicon and fluorine  | 190 | ..Processes of preparing, purifying, or recovering benzene ring containing compound                           |
| 163 | ...Transhalogenation or disproportionation   | 191 | ...Preparing acyclic haloalkyl group containing compound  |
| 164 | ...By reacting with hydrogen fluoride  | 192 | ...Halo, 1,1-diphenylethane or ring substituted derivative thereof prepared (e.g., DDT, etc.)                 |
| 165 | ....Catalyst utilized  | 193 | ...Having acyclic carbon to carbon unsaturation   |
| 166 | ....Metal halide containing catalyst   | 194 | ...Bonding haloalkyl group directly to benzene ring   |
| 167 | .....Antimony halide containing catalyst   | 195 | ....Oxygen containing organic compound reactant   |
| 168 | .....Transition metal halide containing catalyst   | 196 | ...Halogenation of acyclic carbon   |
| 169 | ....Metal oxide containing catalyst  | 197 | ....Catalyst utilized   |
| 170 | ...Substituting halogen for a different halogen  | 198 | .....Halogen containing catalyst  |
| 171 | ...Increasing the number of carbon atoms in the compound                                       | 199 | ...Bonding benzene rings to the same acyclic carbon or to an acyclic carbon chain                             |
| 172 | ...Utilizing unsaturated compound  | 200 | ...Preparing acyclic carbon to carbon unsaturation containing compound  |
| 173 | ...Decreasing the number of carbons in the compound (e.g., cracking, etc.)                     | 201 | ...Oxygen containing organic compound reactant  |
| 174 | ...Introducing bromine or iodine   | 202 | ...Isomerization  |
| 175 | ...Utilizing unsaturated compound  | 203 | ...Oxyhalogenation  |
| 176 | ...Replacing halogen with hydrogen   | 204 | ...Dehalogenation or dehydrohalogenation  |
| 177 | ...Purification or recovery  | 205 | ...Of alicyclic ring to prepare benzene ring  |
| 178 | ....Including distillation   | 206 | ...Bonding halogen directly to benzene ring   |
| 179 | ....Solid sorbent utilized   |     |   |

|     |  |     |  |
|-----|--|-----|--|
| 207 | ....Chlorination   | 235 | ...Metal halide reactant   |
| 208 | .....Catalyst utilized   | 236 | ...Isomerization   |
| 209 | .....Sulfur containing catalyst  | 237 | ...Increasing the number of carbon atoms in the compound   |
| 210 | .....Metal halide containing catalyst  | 238 | ...Purification or recovery  |
| 211 | ...Purification or recovery  | 239 | ...Including contact with solid agent  |
| 212 | ..Forming alicyclic ring from benzene ring   | 240 | ..Preparing from elemental carbon, inorganic carbide, carbon disulfide, or carbon oxide                                  |
| 213 | ..Purification or recovery of 1,2,3,4,5,6 - hexachlorocyclohexane (i.e., benzene hexachloride)                                 | 241 | ..Preparing utilizing plural diverse reactions in separate zones   |
| 214 | ..Ring formation, ring expansion or contraction or bonding one alicyclic ring directly or indirectly to another alicyclic ring | 242 | ...Addition reaction of hydrogen chloride to carbon to carbon unsaturation with chlorination in separate zone            |
| 215 | ...Diels-Alder reaction  | 243 | ..Preparing by oxyhalogenation   |
| 216 | ..Processes of preparing, purifying, or recovering unsaturated compound  | 244 | ...Liquid medium or inorganic melt utilized  |
| 217 | ..From carbon source other than hydrocarbon, halocarbon, or halohydrocarbon  | 245 | ...Fixed bed catalyst utilized   |
| 218 | ...Decreasing the number of carbon atoms in the compound   | 246 | ..Preparing by addition of elemental halogen, interhalogen compound, or hydrogen halide to carbon to carbon unsaturation |
| 219 | ...Plural diverse reactions in separate zones  | 247 | ...Catalyst or reaction directing agent utilized   |
| 220 | ....Dehalogenation or dehydrohalogenation with halogenation in separate zones  | 248 | ....Hydrogen halide reactant   |
| 221 | ....Acetylene reactant   | 249 | ....Nonmetallic catalyst or reaction directing agent utilized  |
| 222 | ....Including oxyhalogenation or oxidation with elemental oxygen   | 250 | ....Catalyst or reaction directing agent containing or group VIII metal utilized   |
| 223 | ....Including oxhalogenation or oxidation with elemental oxygen  | 251 | ...All reactants in vapor phase  |
| 224 | ...Oxyhalogenation   | 252 | ..Elemental halogen reactant   |
| 225 | ...Liquid medium or inorganic melt utilized  | 253 | ...Catalyst or reacton directing agent utilized  |
| 226 | ...Dehydrohalogenation   | 254 | ....Inorganic metal containing catalyst or reaction directing agent utilized   |
| 227 | ....Catalyst utilized  | 255 | ...All reactants in vapor phase  |
| 228 | ....Catalyst in liquid phase   | 256 | ..Isomerization  |
| 229 | ....Including chemical reaction with by-product hydrogen halide  | 257 | ..Preparing by increasing the number of carbons in the compound  |
| 230 | ...Dehalogenation or dehydrogenation   | 258 | ..Preparing by reacting hydrogen halide with a compound which contains hydroxy bonding directly to carbon                |
| 231 | ...Addition reaction of free halogen or hydrogen halide to carbon to carbon unsaturation                                       | 259 | ..Preparing by reacting ether with hydrogen halide   |
| 232 | ....To triple bond   | 260 | ..Preparing by halogen exchange  |
| 233 | ....To acetylene   |     |  |
| 234 | ...Elemental halogen reactant  |     |  |

- 261 ..Halogen source is a compound  
other than hydrogen halide
- 262 ..Purification or recovery
- 263 ...Liquid-liquid extraction
- 264 ..Preservation or stabilization  
treatment

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