CPC COOPERATIVE PATENT CLASSIFICATION

C CHEMISTRY; METALLURGY

(NOTES omitted)

CHEMISTRY

C08 ORGANIC MACROMOLECULAR COMPOUNDS; THEIR PREPARATION OR CHEMICAL WORKING-UP; COMPOSITIONS BASED THEREON (manufacture or treatment of artificial threads, fibres, bristles or ribbons D01)

C08G MACROMOLECULAR COMPOUNDS OBTAINED OTHERWISE THAN BY REACTIONS ONLY INVOLVING UNSATURATED CARBON-TO-CARBON BONDS

NOTES

1. In this subclass, group C08G 18/00 takes precedence over the other groups. A further classification is given if the polymers are obtained by reactions forming specific linkages for which an appropriate group is provided.
2. Within each main group of this subclass, in the absence of an indication to the contrary, classification is made in the last appropriate place.
3. In groups C08G 61/00 - C08G 79/00, in the absence of an indication to the contrary, macromolecular compounds obtained by reactions forming two different linkages in the main chain are classified only according to the linkage present in excess.
4. This subclass covers also compositions based on monomers which from macromolecular compounds classifiable in this subclass. In this subclass:
   a. if the monomers are defined, classification is made in groups C08G 2/00 - C08G 79/00, C08G 83/00 according to the polymer to be formed;
   b. if the monomers are defined in a way that a composition cannot be classified within one main group of this subclass, the composition is classified in group C08G 85/00;
   c. if the compounding ingredients are of interest per se, classification is also made in subclass C08K.

WARNINGS

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

C08G 14/067, C08G 14/073, C08G 14/09	covered by	C08G 14/06
C08G 59/16, C08G 59/17	covered by	C08G 59/14
C08G 63/49	covered by	C08G 63/48
C08G 65/28	covered by	C08G 65/26
C08G 73/04	covered by	C08G 73/02

2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

2/00 Addition polymers of aldehydes or cyclic oligomers thereof or of ketones; Addition copolymers thereof with less than 50 molar percent of other substances

2/02 . Polymerisation initiated by wave energy or by particle radiation
2/04 . Polymerisation by using compounds which act upon the molecular weight, e.g. chain-transferring agents
2/06 . Catalysts (Catalysts in general B01J)
2/08 . Polymerisation of formaldehyde
2/10 . Polymerisation of cyclic oligomers of formaldehyde
2/12 . Polymerisation of acetaldehyde or cyclic oligomers thereof
2/14 . Polymerisation of single aldehydes not provided for in groups C08G 2/08 - C08G 2/12
2/16 . Polymerisation of single ketones
2/18 . Copolymerisation of aldehydes or ketones
2/20 . . with other aldehydes or ketones
2/22 . . with epoxy compounds
2/24 . . with acetals
2/26 . . with compounds containing carbon-to-carbon unsaturation
2/28 . Post-polymerisation treatments
2/30 . Chemical modification by after-treatment
2/32 . . by esterification
2/34 . . by etherification
2/36 . . by depolymerisation
2/38 . Block or graft polymers prepared by polymerisation of aldehydes or ketones on to macromolecular compounds

4/00 Condensation polymers of aldehydes or ketones with polyalcohols; Addition polymers of heterocyclic oxygen compounds containing in the ring at least once the grouping —O—C—O— (of cyclic oligomers of aldehydes C08G 2/00)

6/00 Condensation polymers of aldehydes or ketones only

6/02 . of aldehydes with ketones

8/00 **Condensation polymers of aldehydes or ketones with phenols only**
8/02 . of ketones
8/04 . of aldehydes
8/06 . . of furfural
8/08 . . of formaldehyde, e.g. of formaldehyde formed in situ
8/10 . . . with phenol
8/12 . . . with monohydric phenols having only one hydrocarbon substituent ortho on para to the OH group, e.g. p-tert.-butyl phenol
8/14 . . . with halogenated phenols
8/16 . . . with amino- or nitrophenols
8/18 . . . with phenols substituted by carboxylic or sulfonic acid groups
8/20 . . . with polyhydric phenols
8/22 . . . . Resorcinol
8/24 . . . with mixtures of two or more phenols which are not covered by only one of the groups C08G 8/10 - C08G 8/20
8/26 . from mixtures of aldehydes and ketones
8/28 . Chemically modified polycondensates
8/30 . . by unsaturated compounds, e.g. terpenes
8/32 . . by organic acids or derivatives thereof, e.g. fatty oils
8/34 . . by natural resins or resin acids, e.g. rosin
8/36 . . by etherifying
8/38 . Block or graft polymers prepared by polycondensation of aldehydes or ketones onto macromolecular compounds

10/00 **Condensation polymers of aldehydes or ketones with aromatic hydrocarbons or halogenated aromatic hydrocarbons only**
10/02 . of aldehydes
10/04 . . Chemically-modified polycondensates
10/06 . Block or graft polymers prepared by polycondensation of aldehydes or ketones onto macromolecular compounds

12/00 **Condensation polymers of aldehydes or ketones with only compounds containing hydrogen attached to nitrogen** (aminophenols C08G 8/16)
12/02 . of aldehydes
12/04 . . with acyclic or carbocyclic compounds
12/043 . . . {with at least two compounds covered by more than one of the groups C08G 12/06 - C08G 12/24}
12/046 . . . . {one being urea or thiourea}
12/06 . . . Amines
12/08 . . . . aromatic
12/10 . . . with acyclic compounds having the moiety X=C(—N<)$_2$ in which X is O, S or —N
12/12 . . . . Ureas; Thioureas
12/14 . . . . Dicyandiamides; Dicyandiamidines; Guanidines; Biguanidines; Biuret; Semicarbazides
12/16 . . . . . Dicyandiamides
12/18 . . . with cyanamide
12/20 . . . with urethanes or thiourethanes
12/22 . . . with carboxylic acid amides (reaction of polyamides with aldehydes C08G 69/50)
12/24 . . . with sulfonic acid amides
12/26 . . with heterocyclic compounds
12/263 . . . {with at least two compounds covered by more than one of the groups C08G 12/28 - C08G 12/32}
12/266 . . . . {one being melamine}
12/28 . . . with substituted diazines, diazoles or triazoles
12/30 . . . with substituted triazines
12/32 . . . . Melamines
12/34 . . . and acyclic or carbocyclic compounds
12/36 . . . . Ureas; Thioureas
12/38 . . . . . and melamines
12/40 . . Chemically modified polycondensates
12/42 . . . by etherifying
12/421 . . . . {of polycondensates based on acyclic or carbocyclic compounds}
12/422 . . . . . {based on urea or thiourea}
12/424 . . . . {of polycondensates based on heterocyclic compounds}
12/425 . . . . . {based on triazines}
12/427 . . . . . {Melamine}
12/428 . . . . {of polycondensates based on heterocyclic and acyclic or carbocyclic compounds}
12/44 . . . by esterifying
12/46 . Block or graft polymers prepared by polycondensation of aldehydes or ketones on to macromolecular compounds

14/00 **Condensation polymers of aldehydes or ketones with two or more other monomers covered by at least two of the groups C08G 8/00 - C08G 12/00**
14/02 . of aldehydes
14/04 . . with phenols
14/06 . . . and monomers containing hydrogen attached to nitrogen
14/08 . . . . Ureas; Thioureas
14/10 . . . . Melamines
14/12 . . . Chemically modified polycondensates
14/14 . Block or graft polymers prepared by polycondensation of aldehydes or ketones on to macromolecular compounds

16/00 **Condensation polymers of aldehydes or ketones with monomers not provided for in the groups C08G 4/00 - C08G 14/00** (with polynitriles C08G 69/38)
16/02 . of aldehydes
16/0206 . . {with inorganic compounds}
16/0212 . . {with acyclic or carbocyclic organic compounds}
16/0218 . . . {containing atoms other than carbon and hydrogen}
16/0225 . . . . {containing oxygen}
16/0231 . . . . {containing nitrogen}
16/0237 . . . . {containing sulfur}
16/0243 . . . . {containing phosphorus}
16/025 . . {with heterocyclic organic compounds}
16/0256 . . . {containing oxygen in the ring}
16/0262 . . . . {Furfuryl alcohol}
16/0268 . . . {containing nitrogen in the ring}
16/0275 . . . {containing sulfur in the ring}
16/0281 . . . {containing phosphorus in the ring}
16/0287 . . {with organometallic or metal-containing organic compounds}
16/0293 . . {with natural products, oils, bitumens, residues}
16/04 . . Chemically modified polycondensates

16/06 . Block or graft polymers prepared by polycondensation of aldehydes or ketones on to macromolecular compounds

18/00 Polymeric products of isocyanates or isothiocyanates (preparatory processes of porous or cellular materials, in which the monomers or catalysts are not specific C08J)

18/003 . {with epoxy compounds having no active hydrogen (with epoxy resins containing active hydrogen C08G 18/58)}

18/006 . {with aldehydes}

18/02 . of isocyanates or isothiocyanates only

18/022 . . {the polymeric products containing isocyanurate groups}

18/025 . . {the polymeric products containing carbodiimide groups}

18/027 . . {the polymeric products containing urethodione groups}

18/04 . with vinyl compounds

18/06 . with compounds having active hydrogen

18/08 . . Processes

18/0804 . . . {Manufacture of polymers containing ionic or ionogenic groups}

NOTE

Polymers prepared from unsaturated low-molecular-weight compounds having active hydrogen or isocyanate or isothiocyanate groups are classified in the respective C08G 18/67 and C08G 18/81 groups, according to the notes after C08G 18/67 and C08G 18/81

18/0809 . . . . {containing cationic or cationogenic groups}

18/0814 . . . . . {containing ammonium groups or groups forming them}

18/0819 . . . . {containing anionic or anionogenic groups}

18/0823 . . . . . {containing carboxylate salt groups or groups forming them}

18/0828 . . . . . {containing sulfonate groups or groups forming them}

18/0833 . . . . {containing cationic or cationogenic groups together with anionic or anionogenic groups}

18/0838 . . . {Manufacture of polymers in the presence of non-reactive compounds (preparation of compositions C08L 75/00)}

18/0842 . . . . {in the presence of liquid diluents (C08G 18/0804 takes precedence)}

18/0847 . . . . . {in the presence of solvents for the polymers}

18/0852 . . . . . {the solvents being organic}

18/0857 . . . . . {the solvent being a polyol}

18/0861 . . . . . {in the presence of a dispersing phase for the polymers or a phase dispersed in the polymers}

18/0866 . . . . . {the dispersing or dispersed phase being an aqueous medium}

18/0871 . . . . . {the dispersing or dispersed phase being organic}

18/0876 . . . . . {the dispersing or dispersed phase being a polyol}

18/088 . . . {Removal of water or carbon dioxide from the reaction mixture or reaction components}

18/0885 . . . . {using additives, e.g. absorbing agents}

18/089 . . . {Reaction retarding agents}

18/0895 . . . {Manufacture of polymers by continuous processes (C08G 18/0838 takes precedence)}

NOTES

1. After the symbols C08G 18/10 and C08G 18/12 and separated by a "," sign, are indicated the reactive components of a second or following step by one of the symbols C08G 18/2805, C08G 18/30 - C08G 18/38, C08G 18/40 - C08G 18/64 without subnotations, C08G 18/65 - C08G 18/66, C08G 18/70 - C08G 18/80
2. After the symbols C08G 18/10 and C08G 18/12 and separated by a "," sign are indicated the oligomerisation of isocyanate- or isothiocyanate groups in the prepolymers or in the added reactive components involving reaction of at least a part of the isocyanate- or isothiocyanate groups with each other in the reaction mixture by the symbols C08G 18/02 or C08G 18/09 respectively or by subnotations thereof

18/09 . . . comprising oligomerisation of isocyanates or isothiocyanates involving reaction of a part of the isocyanate or isothiocyanate groups with each other in the reaction mixture (use of preformed oligomers C08G 18/79)

18/092 . . . . {oligomerisation to isocyanurate groups}

18/095 . . . . {oligomerisation to carbodiimide or uretone-imine groups}

18/097 . . . . {oligomerisation to urethdione groups}

18/10 . . . Prepolymer processes involving reaction of isocyanates or isothiocyanates with compounds having active hydrogen in a first reaction step ({C08G 18/0838 takes precedence}; masked polyisocyanates C08G 18/80)

18/12 . . . . using two or more compounds having active hydrogen in the first polymerisation step

18/14 . . . {Manufacture of cellular products}

18/16 . . . Catalysts (catalysts in general B01J)

18/161 . . . . {containing two or more components to be covered by at least two of the groups C08G 18/166, C08G 18/18 or C08G 18/22}

18/163 . . . . . {covered by C08G 18/18 and C08G 18/22}

18/165 . . . . . {covered by C08G 18/18 and C08G 18/24}

18/166 . . . . {Catalysts not provided for in the groups C08G 18/18 - C08G 18/26}

18/168 . . . . . {Organic compounds}

18/18 . . . . containing secondary or tertiary amines or salts thereof

18/1808 . . . . . {having alkylene polyamine groups}

18/1816 . . . . . {having carbocyclic groups}

18/1825 . . . . . {having hydroxy or primary amino groups}

18/1833 . . . . . {having ether, acetal, or orthoester groups}

18/1841 . . . . . {having carbonyl groups which may be linked to one or more nitrogen or oxygen atoms}

18/185 . . . . . {having cyano groups}

18/1858 . . . . . {having carbon-to-nitrogen double bonds}

18/1866 . . . . . {having carbon-to-carbon unsaturated bonds}
18/1875 . . . . . {containing ammonium salts or mixtures of secondary of tertiary amines and acids}
18/1883 . . . . . {having heteroatoms other than oxygen and nitrogen}
18/1891 . . . . . {in vaporous state}
18/20 . . . . . Heterocyclic amines; Salts thereof
18/2009 . . . . . {containing one heterocyclic ring}
18/2018 . . . . . {having one nitrogen atom in the ring}
18/2027 . . . . . {having two nitrogen atoms in the ring}
18/2036 . . . . . {having at least three nitrogen atoms in the ring}
18/2045 . . . . . {containing condensed heterocyclic rings}
18/2054 . . . . . {having one nitrogen atom in the condensed ring system}
18/2063 . . . . . {having two nitrogen atoms in the condensed ring system}
18/2072 . . . . . {having at least three nitrogen atoms in the condensed ring system}
18/2081 . . . . . {containing at least two non-condensed heterocyclic rings}
18/209 . . . . . {having heteroatoms other than oxygen and nitrogen in the ring}
18/22 . . . . containing metal compounds
18/222 . . . . . {metal compounds not provided for in groups C08G 18/225 - C08G 18/26}
18/225 . . . . . {of alkali or alkaline earth metals}
18/227 . . . . . {of antimony, bismuth or arsenic}
18/24 . . . . . of tin
18/242 . . . . . {organometallic compounds containing tin-carbon bonds}
18/244 . . . . . {tin salts of carboxylic acids}
18/246 . . . . . {containing also tin-carbon bonds}
18/248 . . . . . {inorganic compounds of tin}
18/26 . . . . . of lead
18/28 . . characterised by the compounds used containing active hydrogen

NOTE

For the purpose of groups C08G 18/28 - C08G 18/69, the addition of water for the preparation of cellular materials is not taken into consideration {except in the case, wherein water is the only compound having active hydrogen C08G 18/302. When there is attributed a class in C08G 18/00 for a specific monomer or a catalyst, the addition of water as the sole blowing agent is indicated by indexing code C08G 2101/0083. Moreover specific aggregation forms of water, e.g. absorbed water and water of crystallisation are also classified in C08J 9/02}

18/2805 . . . {Compounds having only one group containing active hydrogen (vinylpolymers having terminal groups containing active hydrogen C08G 18/62)}
18/281 . . . . {Monocarboxylic acid compounds}
18/2815 . . . . {Monohydroxy compounds}
18/282 . . . . . {Alkanols, cycloalkanols or arylalkanols including terpenealcohols}
18/2825 . . . . . {having at least 6 carbon atoms}
18/283 . . . . . {Compounds containing ether groups, e.g. oxyalkylated monohydroxy compounds}
18/2835 . . . . . {having less than 5 ether groups}
18/284 . . . . . {Compounds containing ester groups, e.g. oxyalkylated monocarboxylic acids}
18/2845 . . . . . {Monohydroxy epoxy compounds}
18/285 . . . . {Nitrogen containing compounds}
18/2855 . . . . . {Lactams}
18/286 . . . . . {Oximes}
18/2865 . . . . . {Compounds having only one primary or secondary amino group; Ammonia}
18/287 . . . . . {Imine compounds}
18/2875 . . . . . {Monohydroxy compounds containing tertiary amino groups}
18/288 . . . . {Compounds containing at least one heteroatom other than oxygen or nitrogen}
18/2885 . . . . . {containing halogen atoms}
18/289 . . . . . {containing silicon}
18/2895 . . . . {Compounds containing active methylene groups}
18/30 . . . Low-molecular-weight compounds {(C08G 18/2805 takes precedence)}
18/302 . . . . {Water}
18/305 . . . . . {creating amino end groups}
18/307 . . . . . {Atmospheric humidity}
18/32 . . . . Polyhydroxy compounds; Polyamines; Hydroxyamines
18/3203 . . . . . {Polyhydroxy compounds}
18/3206 . . . . . {aliphatic}
18/3209 . . . . . {Aliphatic aldehyde condensates and hydrogenation products thereof}
18/3212 . . . . . {containing cycloaliphatic groups}
18/3215 . . . . . {containing aromatic groups or benzoquinone groups}
18/3218 . . . . . {containing cyclic groups having at least one oxygen atom in the ring}
18/3221 . . . . . {hydroxylated esters of carboxylic acids other than higher fatty acids}
18/3225 . . . . . {Polyamines}
18/3228 . . . . . {acyclic}
18/3231 . . . . . {Hydrazine or derivatives thereof}
18/3234 . . . . . {cycloaliphatic}
18/3237 . . . . . {aromatic (C08G 18/3234 takes precedence)}
18/324 . . . . . {containing only one aromatic ring}
18/3243 . . . . . {containing two or more aromatic rings}
18/3246 . . . . . {heterocyclic, the heteroatom being oxygen or nitrogen in the form of an amino group}
18/325 . . . . . {containing secondary or tertiary amino groups (C08G 18/3228, C08G 18/3234, C08G 18/3246 take precedence)}
18/3253 . . . . . {being in latent form}
18/3256 . . . . . {Reaction products of polyamines with aldehydes or ketones}
18/3259 . . . . . {Reaction products of polyamines with inorganic or organic acids or derivatives thereof other than metallic salts}
18/3262 . . . . . {with carboxylic acids or derivatives thereof}

18/3265 . . . . . {with carbondioxide or sulfurdioxide}
18/3268 . . . . . {Salt complexes of polyamines}
18/3271 . . . . . {Hydroxyamines}
18/3275 . . . . . {containing two hydroxy groups}
18/3278 . . . . . {containing at least three hydroxy groups}
18/3281 . . . . . {containing three hydroxy groups}
18/3284 . . . . . {containing four hydroxy groups}
18/3287 . . . . . {containing cycloaliphatic groups}
18/329 . . . . . {containing aromatic groups}
18/3293 . . . . . {containing heterocyclic groups}
18/3296 . . . . . {being in latent form}
18/34 . . . . Carboxylic acids; Esters thereof with monohydroxyl compounds
18/341 . . . . . {Dicarboxylic acids, esters of polycarboxylic acids containing two carboxylic acid groups}
18/343 . . . . . {Polycarboxylic acids having at least three carboxylic acid groups}
18/345 . . . . . {having three carboxylic acid groups}
18/346 . . . . . {having four carboxylic acid groups}
18/348 . . . . . {Hydroxycarboxylic acids}
18/36 . . . . Hydroxylated esters of higher fatty acids
18/38 . . . . having heteroatoms other than oxygen (C08G 18/32 takes precedence)
18/3802 . . . . . {having halogens}
18/3804 . . . . . {Polyhydroxy compounds}
18/3806 . . . . . {having chlorine and/or bromine atoms}
18/3808 . . . . . {having chlorine atoms}
18/381 . . . . . {having bromine atoms}
18/3812 . . . . . {having fluorine atoms}
18/3814 . . . . . {Polyamines}
18/3817 . . . . . {Hydroxylated esters of higher fatty acids}
18/3819 . . . . . {having nitrogen}
18/3821 . . . . . {Carboxylic acids; Esters thereof with monohydroxyl compounds}
18/3823 . . . . . {containing -N-C=O groups}
18/3825 . . . . . {containing amide groups (C08G 18/3821 takes precedence)}
18/3827 . . . . . {Bicyclic amide acetals and derivatives thereof}
18/3829 . . . . . {containing ureum groups}
18/3831 . . . . . {containing urethane groups}
18/3834 . . . . . {containing hydrazide or semi-carbazide groups}
18/3836 . . . . . {containing azo groups}
18/3838 . . . . . {containing cyano groups}
18/384 . . . . . {containing nitro groups}
18/3842 . . . . . {containing heterocyclic rings having at least one nitrogen atom in the ring}
18/3844 . . . . . {containing one nitrogen atom in the ring}
18/3846 . . . . . {containing imide groups (C08G 18/3821 takes precedence)}
18/3848 . . . . . {containing two nitrogen atoms in the ring}
18/3851 . . . . . {containing three nitrogen atoms in the ring}
18/3853 . . . . . {containing cyanurate and/or isocyanurate groups}
18/3855 . . . . . {having sulfur}
18/3857 . . . . . {having nitrogen in addition to sulfur}
18/3859 . . . . . {containing -N-C=S groups}
18/3861 . . . . . {containing sulfonamide and/or sulfonylhydrazide groups}
18/3863 . . . . . {containing groups having sulfur atoms between two carbon atoms, the sulfur atoms being directly linked to carbon atoms or other sulfur atoms}
18/3865 . . . . . {containing groups having one sulfur atom between two carbon atoms}
18/3868 . . . . . {the sulfur atom belonging to a sulfide group}
18/387 . . . . . {in addition to a perfluoroalkyl group}
18/3872 . . . . . {the sulfur atom belonging to a sulfoxide or sulfone group}
18/3874 . . . . . {containing heterocyclic rings having at least one sulfur atom in the ring}
18/3876 . . . . . {containing mercapto groups}
18/3878 . . . . . {having phosphorus}
18/388 . . . . . {having phosphorus bound to carbon and/or to hydrogen}
18/3882 . . . . . {having phosphorus bound to oxygen only}
18/3885 . . . . . {Phosphate compounds}
18/3887 . . . . . {Phosphite compounds}
18/3889 . . . . . {having nitrogen in addition to phosphorus}
18/3891 . . . . . {having sulfur in addition to phosphorus}
18/3893 . . . . . {containing silicon}
18/3895 . . . . . {Inorganic compounds, e.g. aqueous alkalimetalsilicate solutions; Organic derivatives thereof containing no direct silicon-carbon bonds}
18/3897 . . . . . {containing heteroatoms other than oxygen, halogens, nitrogen, sulfur, phosphorus or silicon}
18/40 . . . High-molecular-weight compounds {(C08G 18/2805 takes precedence)}
18/4009 . . . . {Two or more macromolecular compounds not provided for in one single group of groups C08G 18/42 - C08G 18/64}
18/4018 . . . . . {Mixtures of compounds of group C08G 18/42 with compounds of group C08G 18/48}
18/4027 . . . . . {Mixtures of compounds of group C08G 18/54 with other macromolecular compounds}
18/4036 . . . . . {Mixtures of compounds of group C08G 18/56 with other macromolecular compounds}
18/4045 . . . . . {Mixtures of compounds of group C08G 18/58 with other macromolecular compounds}
18/4054 . . . . . {Mixtures of compounds of group C08G 18/60 with other macromolecular compounds}
18/4063 . . . . . {Mixtures of compounds of group C08G 18/62 with other macromolecular compounds}

18/4072 . . . . . {Mixtures of compounds of group C08G 18/63 with other macromolecular compounds}
18/4081 . . . . . {Mixtures of compounds of group C08G 18/64 with other macromolecular compounds}
18/409 . . . . {Dispersions of polymers of C08G in organic compounds having active hydrogen}
18/42 . . . . Polycondensates having carboxylic or carbonic ester groups in the main chain
18/4202 . . . . . {Two or more polyesters of different physical or chemical nature (C08G 18/44 takes precedence)}
18/4205 . . . . . {containing cyclic groups}
18/4208 . . . . . {containing aromatic groups}
18/4211 . . . . . {derived from aromatic dicarboxylic acids and dialcohols}
18/4213 . . . . . {from terephthalic acid and dialcohols}
18/4216 . . . . . {from mixtures or combinations of aromatic dicarboxylic acids and aliphatic dicarboxylic acids and dialcohols}
18/4219 . . . . . {from aromatic dicarboxylic acids and dialcohols in combination with polycarboxylic acids and/or polyhydroxy compounds which are at least trifunctional}
18/4222 . . . . . {derived from aromatic polyhydroxy compounds and polycarboxylic acids}
18/4225 . . . . . {derived from residues obtained from the manufacture of dimethylterephthalate and from polyhydroxy compounds}
18/4227 . . . . . {derived from aromatic polycarboxylic acids containing at least two aromatic rings and polyhydroxy compounds}
18/423 . . . . . {containing cycloaliphatic groups}
18/4233 . . . . . {derived from polymerised higher fatty acids or alcohols}
18/4236 . . . . . {containing only aliphatic groups}
18/4238 . . . . . {derived from dicarboxylic acids and dialcohols}
18/4241 . . . . . {from dicarboxylic acids and dialcohols in combination with polycarboxylic acids and/or polyhydroxy compounds which are at least trifunctional}
18/4244 . . . . . {containing oxygen in the form of ether groups}
18/4247 . . . . . {derived from polyols containing at least one ether group and polycarboxylic acids}
18/425 . . . . . {the polyols containing one or two ether groups}
18/4252 . . . . . {derived from polyols containing polyether groups and polycarboxylic acids}
18/4255 . . . . . {derived from polyols containing oxyalkylated carbocyclic groups and polycarboxylic acids}
18/4258 . . . . . {derived from polycarboxylic acids containing at least one ether group and polyols}
18/4261 . . . . . {prepared by oxyalkylation of polyesterpolyols}
18/4263 . . . . . {containing carboxylic acid groups}
18/4266 . . . . . {prepared from hydroxycarboxylic acids and/or lactones}
18/4269 . . . . . {Lactones}
18/4272 . . . . . {Privalolactone}
18/4275 . . . . . {Valcrolactone and/or substituted valcrolactone}
18/4277 . . . . . {Caprolactone and/or substituted caprolactone}
18/428 . . . . . {Lactides}
18/4283 . . . . . {Hydroxycarboxylic acid or ester}
18/4286 . . . . . {prepared from a combination of hydroxycarboxylic acids and/or lactones with polycarboxylic acids or ester forming derivatives thereof and polyhydroxy compounds}
18/4288 . . . . . {modified by higher fatty oils or their acids or by resin acids}
18/4291 . . . . . {prepared from polyester forming components containing monoepoxy compounds (C08G 18/4266 takes precedence)}
18/4294 . . . . . {prepared from polyester forming components containing polyepoxy compounds (C08G 18/4266 takes precedence)}
18/4297 . . . . . {prepared from polyester forming components containing aliphatic aldehyde condensates or hydrogenation products thereof having at least two hydroxy groups}
18/44 . . . . . Polycarbonates
18/46 . . . . . having heteroatoms other than oxygen
18/4607 . . . . . {having halogens}
18/4615 . . . . . {containing nitrogen}
18/4623 . . . . . {containing primary or secondary terminal aminogroups}
18/463 . . . . . {containing nitro groups}
18/4638 . . . . . {containing heterocyclic rings having at least one nitrogen atom in the ring}
18/4646 . . . . . {containing one nitrogen atom in the ring}
18/4653 . . . . . {containing two nitrogen atoms in the ring}
18/4661 . . . . . {containing three nitrogen atoms in the ring}
18/4669 . . . . . {Addition products of unsaturated polyesters with amino compounds}
18/4676 . . . . . {containing sulfur}
18/4684 . . . . . {containing phosphorus}
18/4692 . . . . . {containing silicon}
18/48 . . . . Polyethers
18/4804 . . . . . {Two or more polyethers of different physical or chemical nature}
18/4808 . . . . . {Mixtures of two or more polyetherdiols}
18/4812 . . . . . {Mixtures of polyetherdiols with polyetherpolyols having at least three hydroxy groups}
18/4816 . . . . . {mixtures of two or more polyetherpolyols having at least three hydroxy groups}

18/482 . . . . . {Mixtures of polyethers containing at least one polyether containing nitrogen}
18/4825 . . . . . {Polyethers containing two hydroxy groups (C08G 18/4833 - C08G 18/5096 take precedence)}
18/4829 . . . . . {Polyethers containing at least three hydroxy groups (C08G 18/4833 - C08G 18/5096 take precedence)}
18/4833 . . . . . {Polyethers containing oxyethylene units}
18/4837 . . . . . {and other oxyalkylene units}
18/4841 . . . . . {containing oxyethylene end groups}
18/4845 . . . . . {containing oxypropylene or higher oxyalkylene end groups}
18/485 . . . . . {containing mixed oxyethylene-oxypropylene or oxyethylene-higher oxyalkylene end groups}
18/4854 . . . . . {Polyethers containing oxyalkylene groups having four carbon atoms in the alkylene group}
18/4858 . . . . . {Polyethers containing oxyalkylene groups having more than four carbon atoms in the alkylene group}
18/4862 . . . . . {containing at least a part of the ether groups in a side chain}
18/4866 . . . . . {having a low unsaturation value}
18/487 . . . . . {Polyethers containing cyclic groups}
18/4875 . . . . . {containing cycloaliphatic groups}
18/4879 . . . . . {containing aromatic groups}
18/4883 . . . . . {containing cyclic groups having at least one oxygen atom in the ring}
18/4887 . . . . . {containing carboxylic ester groups derived from carboxylic acids other than acids of higher fatty oils or other than resin acids}
18/4891 . . . . . {modified with higher fatty oils or their acids or by resin acids}
18/4895 . . . . . {prepared from polyepoxy compounds}
18/50 . . . . . having heteroatoms other than oxygen
18/5003 . . . . . {having halogens}
18/5006 . . . . . {having chlorine and/or bromine atoms}
18/5009 . . . . . {having chlorine atoms}
18/5012 . . . . . {having bromine atoms}
18/5015 . . . . . {having fluorine atoms}
18/5018 . . . . . {having iodine atoms}
18/5021 . . . . . {having nitrogen}
18/5024 . . . . . {containing primary and/or secondary amino groups}
18/5027 . . . . . {directly linked to carbocyclic groups}
18/503 . . . . . {being in latent form}
18/5033 . . . . . {containing carbocyclic groups (C08G 18/5024 takes precedence)}
18/5036 . . . . . {containing -N-C=O groups}
18/5039 . . . . . {containing amide groups}
18/5042 . . . . . {containing ureum groups}
18/5045 . . . . . {containing urethane groups}
18/5048 . . . . . {Products of hydrolysis of polyether-urethane prepolymers containing isocyanate groups}
18/5051 . . . . . {containing cyano groups}
18/5054 . . . . . {containing heterocyclic rings having at least one nitrogen atom in the ring}
18/5057 . . . . . {containing one nitrogen atom in the ring}
18/506 . . . . . {containing two nitrogen atoms in the ring}
18/5063 . . . . . {containing three nitrogen atoms in the ring}
18/5066 . . . . . {having halogens in addition to nitrogen}
18/5069 . . . . . {prepared from polyepoxy compounds}
18/5072 . . . . . {containing sulfur}
18/5075 . . . . . {having phosphorus}
18/5078 . . . . . {having phosphorus bound to carbon and/or to hydrogen}
18/5081 . . . . . {having phosphorus bound to oxygen only}
18/5084 . . . . . {Phosphate compounds}
18/5087 . . . . . {Phosphite compounds}
18/509 . . . . . {having nitrogen in addition to phosphorus}
18/5093 . . . . . {having sulfur in addition to phosphorus}
18/5096 . . . . . {containing silicon}
18/52 . . . . Polythioethers
18/54 . . . . Polycondensates of aldehydes
18/542 . . . . . {with phenols}
18/544 . . . . . {with nitrogen compounds}
18/546 . . . . . {Oxyalkylated polycondensates of aldehydes}
18/548 . . . . . {Polycondensates of aldehydes with ketones}
18/56 . . . . Polyacetals
18/58 . . . . Epoxy resins {(C08G 18/42, C08G 18/48 take precedence; reaction products of epoxy resins with at least equivalent amounts of compounds containing active hydrogen C08G 18/6407, with at least equivalent amounts of amines C08G 18/6415; polymeric products of isocyanates or isothiocyanates with epoxy compounds having no active hydrogen C08G 18/003)}
18/581 . . . . . {Reaction products of epoxy resins with less than equivalent amounts of compounds containing active hydrogen added before or during the reaction with the isocyanate component (with amines C08G 18/584)}
18/582 . . . . . {having halogens}
18/584 . . . . . {having nitrogen}
18/585 . . . . . {having sulfur}
18/587 . . . . . {having phosphorus}
18/588 . . . . . {having silicon}
18/60 . . . . Polyamides or polyester-amides
18/603 . . . . . {Polyamides}
18/606 . . . . . {Polyester-amides}
18/61 . . . . Polysiloxanes
18/615 . . . . . {containing carboxylic acid groups}
18/62 . . . . Polymers of compounds having carbon-to-carbon double bonds
18/6204 . . . . . {Polymers of olefins (unsaturated polymers of conjugated dienes C08G 18/69)}

18/6208 . . . . . {Hydrogenated polymers of conjugated dienes}
18/6212 . . . . . {Polymers of alkenylalcohols; Acetals thereof; Oxyalkylation products thereof}
18/6216 . . . . . {Polymers of alpha-beta ethylenically unsaturated carboxylic acids or of derivatives thereof}
18/622 . . . . . {Polymers of esters of alpha-beta ethylenically unsaturated carboxylic acids}
18/6225 . . . . . {Polymers of esters of acrylic or methacrylic acid}
18/6229 . . . . . {Polymers of hydroxy groups containing esters of acrylic or methacrylic acid with aliphatic polyalcohols}
18/6233 . . . . . {the monomers or polymers being esterified with carboxylic acids or lactones}
18/6237 . . . . . {Polymers of esters containing glycidyl groups of alpha-beta ethylenically unsaturated carboxylic acids; reaction products thereof}
18/6241 . . . . . {Polymers of esters containing hydroxy groups of alpha-beta ethylenically unsaturated carboxylic acids with epoxy compounds other than alkylene oxides and hydroxyglycidyl compounds (esterification during or after polymerization C08G 18/6258)}
18/6245 . . . . . {Polymers having terminal groups containing active hydrogen}
18/625 . . . . . {Polymers of alpha-beta ethylenically unsaturated carboxylic acids; hydrolyzed polymers of esters of these acids}
18/6254 . . . . . {Polymers of alpha-beta ethylenically unsaturated carboxylic acids and of esters of these acids containing hydroxy groups}
18/6258 . . . . . {the acid groups being esterified with polyhydroxy compounds or epoxy compounds during or after polymerization}
18/6262 . . . . . {Polymers of nitriles derived from alpha-beta ethylenically unsaturated carboxylic acids}
18/6266 . . . . . {Polymers of amides or imides from alpha-beta ethylenically unsaturated carboxylic acids}
18/627 . . . . . {Polymers of hydroxylated esters of unsaturated higher fatty acids}
18/6275 . . . . . {Polymers of halogen containing compounds having carbon-to-carbon double bonds; halogenated polymers of compounds having carbon-to-carbon double bonds (C08G 18/6212 takes precedence)}
18/6279 . . . . . {containing fluorine atoms}
18/6283 . . . . . {Polymers of nitrogen containing compounds having carbon-to-carbon double bonds (C08G 18/6262, C08G 18/6266 take precedence)}
18/6287 . . . . . {Polymers of sulfur containing compounds having carbon-to-carbon double bonds}
18/6291 . . . . . {Polymers of phosphorus containing compounds having carbon-to-carbon double bonds}
18/6295 . . . . . {Polymers of silicium containing compounds having carbon-to-carbon double bonds}
18/63 . . . . Block or graft polymers obtained by polymerising compounds having carbon-to-carbon double bonds on to polymers
18/631 . . . . . {onto polyesters and/or polycarbonates}
18/632 . . . . . {onto polyethers}
18/633 . . . . . {onto polymers of compounds having carbon-to-carbon double bonds}
18/635 . . . . . {onto unsaturated polymers}
18/636 . . . . . {characterised by the presence of a dispersion-stabiliser}
18/637 . . . . . {characterised by the in situ polymerisation of the compounds having carbon-to-carbon double bonds in a reaction mixture of saturated polymers and isocyanates}
18/638 . . . . . {characterised by the use of compounds having carbon-to-carbon double bonds other than styrene and/or olefinic nitriles}
18/64 . . . . Macromolecular compounds not provided for by groups C08G 18/42 - C08G 18/63
18/6407 . . . . . {Reaction products of epoxy resins with at least equivalent amounts of compounds containing active hydrogen (with amines C08G 18/643; C08G 18/42, C08G 18/48 take precedence)}
18/6415 . . . . . {having nitrogen}
18/6423 . . . . . {Polyalkylene polyamines; polyethylenimines; Derivatives thereof (polyamides or polyesteramides C08G 18/60)}
18/643 . . . . . {Reaction products of epoxy resins with at least equivalent amounts of amines}
18/6438 . . . . . {Polyimides or polyesterimides}
18/6446 . . . . . {Proteins and derivatives thereof}
18/6453 . . . . . {having sulfur}
18/6461 . . . . . {having phosphorus}
18/6469 . . . . . {having silicon}
18/6476 . . . . . {Bituminous materials, e.g. asphalt, coal tar, pitch; derivatives thereof}
18/6484 . . . . . {Polysaccharides and derivatives thereof}
18/6492 . . . . . {Lignin containing materials; Wood resins; Wood tars; Derivatives thereof}
18/65 . . . Low-molecular-weight compounds having active hydrogen with high-molecular-weight compounds having active hydrogen {(C08G 18/2805 takes precedence)}
18/6505 . . . . {the low-molecular compounds being compounds of group C08G 18/32 or polyamines of C08G 18/38}
18/6511 . . . . . {compounds of group C08G 18/3203}
18/6517 . . . . . {having at least three hydroxy groups}
18/6523 . . . . . {Compounds of group C08G 18/3225 or C08G 18/3271 or polyamines of C08G 18/38}
18/6529 . . . . . {Compounds of group C08G 18/3225 or polyamines of C08G 18/38}

18/6535 . . . . . {Compounds of group C08G 18/3271}
18/6541 . . . . {the low-molecular compounds being compounds of group C08G 18/34}
18/6547 . . . . {the low-molecular compounds being compounds of group C08G 18/36 or hydroxylated esters of higher fatty acids of C08G 18/38}
18/6552 . . . . {Compounds of group C08G 18/63}
18/6558 . . . . . {with compounds of group C08G 18/32 or polyamines of C08G 18/38}
18/6564 . . . . . {with compounds of group C08G 18/3203}
18/657 . . . . . {with compounds of C08G 18/3225 or C08G 18/3271 or polyamines of C08G 18/38}
18/6576 . . . . {Compounds of group C08G 18/69}
18/6582 . . . . . {with compounds of group C08G 18/32 or polyamines of C08G 18/38}
18/6588 . . . . . {with compounds of group C08G 18/3203}
18/6594 . . . . . {with compounds of C08G 18/3225 or C08G 18/3271 or polyamines of C08G 18/38}
18/66 . . . . Compounds of groups C08G 18/42, C08G 18/48, or C08G 18/52
18/6603 . . . . . {with compounds of group C08G 18/32 or polyamines of C08G 18/38}
18/6607 . . . . . {with compounds of group C08G 18/3203}
18/6611 . . . . . {having at least three hydroxy groups}
18/6614 . . . . . {with compounds of group C08G 18/3225 or C08G 18/3271 and/or polyamines of C08G 18/38}
18/6618 . . . . . {with compounds of group C08G 18/3225 or polyamines of C08G 18/38}
18/6622 . . . . . {with compounds of group C08G 18/3271}
18/6625 . . . . . {with compounds of group C08G 18/34}
18/6629 . . . . . {with compounds of group C08G 18/36 or hydroxylated esters of higher fatty acids of C08G 18/38}
18/6633 . . . . . {Compounds of group C08G 18/42}
18/6637 . . . . . {with compounds of group C08G 18/32 or polyamines of C08G 18/38}
18/664 . . . . . {with compounds of group C08G 18/3203}
18/6644 . . . . . {having at least three hydroxy groups}
18/6648 . . . . . {with compounds of group C08G 18/3225 or C08G 18/3271 and/ or polyamines of C08G 18/38}
18/6651 . . . . . {with compounds of group C08G 18/3225 or polyamines of C08G 18/38}
18/6655 . . . . . {with compounds of group C08G 18/3271}
18/6659 . . . . . {with compounds of group C08G 18/34}
18/6662 . . . . . {with compounds of group C08G 18/36 or hydroxylated esters of higher fatty acids of C08G 18/38}
18/6666 . . . . . {Compounds of group C08G 18/48 or C08G 18/52}
18/667 . . . . . {with compounds of group C08G 18/32 or polyamines of C08G 18/38}
18/6674 . . . . . {with compounds of group C08G 18/3203}
18/6677 . . . . . {having at least three hydroxy groups}
18/6681 . . . . . {with compounds of group C08G 18/32 or C08G 18/3271 and/or polyamines of C08G 18/38}
18/6685 . . . . . {with compounds of group C08G 18/3225 or polyamines of C08G 18/38}
18/6688 . . . . . {with compounds of group C08G 18/3271}
18/6692 . . . . . {with compounds of group C08G 18/34}
18/6696 . . . . . {with compounds of group C08G 18/36 or hydroxylated esters of higher fatty acids of C08G 18/38}
18/67 . . . Unsaturated compounds having active hydrogen

NOTES

1. After the symbols C08G 18/67 and C08G 18/671 - C08G 18/679 and separated by a "," sign is indicated the manufacture of polymers containing ionic or ionogenic groups from unsaturated low-molecular-weight compounds having active hydrogen by one of the symbols C08G 18/0804 - C08G 18/0833
2. After the symbols C08G 18/671 - C08G 18/672 and separated by a "," sign are indicated the polymer-backbone forming high-molecular-weight compounds containing active hydrogen or their combination with low-molecular-weight compounds by one of the symbols C08G 18/40 - C08G 18/64 without subnotations, C08G 18/65 - C08G 18/66, C08G 18/6705 and C08G 18/6795 - C08G 18/69. This note does not apply for the symbols C08G 18/6725 and C08G 18/673

18/6705 . . . . {Unsaturated polymers not provided for in the groups C08G 18/671, C08G 18/6795, C08G 18/68 or C08G 18/69}
18/671 . . . . {Unsaturated compounds having only one group containing active hydrogen (takes precedence on groups C08G 18/675 - C08G 18/69)}
18/6715 . . . . . {Unsaturated monofunctional alcohols or amines}
18/672 . . . . . {Esters of acrylic or alkyl acrylic acid having only one group containing active hydrogen}
18/6725 . . . . . {containing ester groups other than acrylate or alkylacrylate ester groups}
18/673 . . . . . {containing two or more acrylate or alkylacrylate ester groups}
18/6735 . . . . . {Unsaturated compounds containing the unsaturation at least partially in a non-aromatic carbocyclic ring}

18/674 . . . . . {Unsaturated compounds containing the unsaturation at least partially in a cyclic ring having at least one oxygen atom in the ring}
18/6745 . . . . . {Acetylenic compounds}
18/675 . . . . {Low-molecular-weight compounds}
18/6755 . . . . . {Unsaturated carboxylic acids}
18/676 . . . . . {containing the unsaturation at least partially in a non-aromatic carbocyclic ring}
18/6765 . . . . . {containing the unsaturation at least partially in a cyclic ring having at least one oxygen atom in the ring}
18/677 . . . . . {containing heteroatoms other than oxygen and the nitrogen of primary or secondary amino groups}
18/6775 . . . . . {containing halogen}
18/678 . . . . . {containing nitrogen}
18/6785 . . . . . {containing phosphorus}
18/679 . . . . . {Acetylenic compounds}
18/6795 . . . . {Unsaturated polyethers}
18/68 . . . . Unsaturated polyesters
18/683 . . . . . {containing cyclic groups}
18/686 . . . . . {containing cycloaliphatic groups}
18/69 . . . . Polymers of conjugated dienes {(hydrogenated polymers of conjugated dienes C08G 18/6208)}
18/692 . . . . . {containing carboxylic acid groups}
18/694 . . . . . {containing carboxylic ester groups}
18/696 . . . . . {containing heteroatoms other than oxygen and other than the heteroatoms of copolymerised vinyl monomers}
18/698 . . . . . {Mixtures with compounds of group C08G 18/40}
18/70 . . characterised by the isocyanates or isothiocyanates used
18/701 . . . {Compounds forming isocyanates or isothiocyanates in situ (C08G 18/80 takes precedence)}
18/702 . . . {Isocyanates or isothiocyanates containing compounds having carbon-to-carbon double bonds; Telomers thereof}
18/703 . . . {Isocyanates or isothiocyanates transformed in a latent form by physical means}
18/705 . . . . {Dispersions of isocyanates or isothiocyanates in a liquid medium (C08G 18/702 takes precedence)}
18/706 . . . . . {the liquid medium being water}
18/707 . . . . . {the liquid medium being a compound containing active hydrogen not comprising water}
18/708 . . . {Isocyanates or isothiocyanates containing non-reactive high-molecular-weight compounds}
18/71 . . . Monoisocyanates or monoisothiocyanates
18/711 . . . . {containing oxygen in addition to isocyanate oxygen}
18/712 . . . . {containing halogens}
18/714 . . . . {containing nitrogen in addition to isocyanate or isothiocyanate nitrogen}
18/715 . . . . {containing sulfur in addition to isothiocyanate sulfur}
18/717 . . . . {containing phosphorus}
18/718 . . . . {containing silicon}
18/72 . . . Polyisocyanates or polyisothiocyanates
18/721 . . . . {Two or more polyisocyanates not provided for in one single group C08G 18/73 - C08G 18/80}
18/722 . . . . . {Combination of two or more aliphatic and/or cycloaliphatic polyisocyanates}
18/724 . . . . . {Combination of aromatic polyisocyanates with (cyclo)aliphatic polyisocyanates}
18/725 . . . . . {Combination of polyisocyanates of C08G 18/78 with other polyisocyanates}
18/727 . . . . . {comprising distillation residues or non-distilled raw phosgenation products}
18/728 . . . . {Polymerisation products of compounds having carbon-to-carbon unsaturated bonds and having isocyanate or isothiocyanate groups or groups forming isocyanate or isothiocyanate groups}
18/73 . . . . acyclic
18/735 . . . . . {containing one isocyanate or isothiocyanate group linked to a primary carbon atom and at least one isocyanate or isothiocyanate group linked to a tertiary carbon atom}
18/74 . . . . cyclic
18/75 . . . . . cycloaliphatic
18/751 . . . . . {containing only one cycloaliphatic ring}
18/752 . . . . . {containing at least one isocyanate or isothiocyanate group linked to the cycloaliphatic ring by means of an aliphatic group}
18/753 . . . . . {containing one isocyanate or isothiocyanate group linked to the cycloaliphatic ring by means of an aliphatic group having a primary carbon atom next to the isocyanate or isothiocyanate group}
18/755 . . . . . {and at least one isocyanate or isothiocyanate group linked to a secondary carbon atom of the cycloaliphatic ring, e.g. isophorone diisocyanate}
18/756 . . . . . {and at least one isocyanate or isothiocyanate group linked to a tertiary carbon atom of the cycloaliphatic ring}
18/757 . . . . . {containing at least two isocyanate or isothiocyanate groups linked to the cycloaliphatic ring by means of an aliphatic group}
18/758 . . . . . {containing two or more cycloaliphatic rings}
18/76 . . . . . aromatic
18/7607 . . . . . {Compounds of C08G 18/7614 and of C08G 18/7657}
18/7614 . . . . . {containing only one aromatic ring}
18/7621 . . . . . {being toluene diisocyanate including isomer mixtures}
18/7628 . . . . . {containing at least one isocyanate or isothiocyanate group linked to the aromatic ring by means of an aliphatic group}

18/7635 . . . . . {containing one isocyanate or isothiocyanate group linked to the aromatic ring by means of an aliphatic group and at least one isocyanate or isothiocyanate group directly linked to the aromatic ring, e.g. isocyanatobenzylisocyanate}
18/7642 . . . . . {containing at least two isocyanate or isothiocyanate groups linked to the aromatic ring by means of an aliphatic group having a primary carbon atom next to the isocyanate or isothiocyanate groups, e.g. xylylene diisocyanate or homologues substituted on the aromatic ring}
18/765 . . . . . {alpha, alpha, alpha', alpha', -tetraalkylxylylene diisocyanate or homologues substituted on the aromatic ring}
18/7657 . . . . . {containing two or more aromatic rings}
18/7664 . . . . . {containing alkylene polyphenyl groups}
18/7671 . . . . . {containing only one alkylene bisphenyl group}
18/7678 . . . . . {containing condensed aromatic rings}
18/7685 . . . . . {containing two or more non-condensed aromatic rings directly linked to each other}
18/7692 . . . . . {containing at least one isocyanate or isothiocyanate group linked to an aromatic ring by means of an aliphatic group}
18/77 . . . . having heteroatoms in addition to the isocyanate or isothiocyanate nitrogen and oxygen or sulfur
18/771 . . . . . {oxygen}
18/773 . . . . . {halogens}
18/775 . . . . . {sulfur}
18/776 . . . . . {phosphorus}
18/778 . . . . . {silicon}
18/78 . . . . . Nitrogen {(C08G 18/775, C08G 18/776 take precedence)}
18/7806 . . . . . {containing -N-C=0 groups}
18/7812 . . . . . {containing amide groups}
18/7818 . . . . . {containing ureum or ureum derivative groups}
18/7825 . . . . . {containing ureum groups}
18/7831 . . . . . {containing biuret groups}
18/7837 . . . . . {containing allophanate groups}
18/7843 . . . . . {containing urethane groups}
18/785 . . . . . {containing tertiary amino groups}
18/7856 . . . . . {containing azo groups}
18/7862 . . . . . {containing cyano groups or aldimine or ketimine groups}
18/7868 . . . . . {containing nitro groups}
18/7875 . . . . . {containing heterocyclic rings having at least one nitrogen atom in the ring}
18/7881 . . . . . {having one nitrogen atom in the ring}
18/7887 . . . . . {having two nitrogen atoms in the ring}
18/7893 . . . . . {having three nitrogen atoms in the ring}
18/79 . . . . . characterised by the polyisocyanates used, these having groups formed by oligomerisation of isocyanates or isothiocyanates
18/791 . . . . . {containing isocyanurate groups}
18/792 . . . . . {formed by oligomerisation of aliphatic and/or cycloaliphatic isocyanates or isothiocyanates}
18/794 . . . . . {formed by oligomerisation of aromatic isocyanates or isothiocyanates}
18/795 . . . . . {formed by oligomerisation of mixtures of aliphatic and/or cycloaliphatic isocyanates or isothiocyanates with aromatic isocyanates or isothiocyanates}
18/797 . . . . . {containing carbodiimide and/or uretone-imine groups}
18/798 . . . . . {containing urethdione groups}
18/80 . . . . Masked polyisocyanates
18/8003 . . . . . {masked with compounds having at least two groups containing active hydrogen}
18/8006 . . . . . {with compounds of C08G 18/32}
18/8009 . . . . . {with compounds of C08G 18/3203}
18/8012 . . . . . {with diols}
18/8016 . . . . . {Masked aliphatic or cycloaliphatic polyisocyanates}
18/8019 . . . . . {Masked aromatic polyisocyanates}
18/8022 . . . . . {with polyols having at least three hydroxy groups}
18/8025 . . . . . {Masked aliphatic or cycloaliphatic polyisocyanates}
18/8029 . . . . . {Masked aromatic polyisocyanates}
18/8032 . . . . . {Masked aliphatic or cycloaliphatic polyisocyanates not provided for in one single of the groups C08G 18/8016 and C08G 18/8025}
18/8035 . . . . . {Masked aromatic polyisocyanates not provided for in one single of the groups C08G 18/8019 and C08G 18/8029}
18/8038 . . . . . {with compounds of C08G 18/3225}
18/8041 . . . . . {with compounds of C08G 18/3271}
18/8045 . . . . . {with water}
18/8048 . . . . . {with compounds of C08G 18/34}
18/8051 . . . . . {with compounds of C08G 18/36}
18/8054 . . . . . {with compounds of C08G 18/38}
18/8058 . . . . . {with compounds of C08G 18/3819}
18/8061 . . . . . {masked with compounds having only one group containing active hydrogen}
18/8064 . . . . . {with monohydroxy compounds}
18/8067 . . . . . {phenolic compounds}
18/807 . . . . . {with nitrogen containing compounds}
18/8074 . . . . . {Lactams}
18/8077 . . . . . {Oximes}
18/808 . . . . . {Monoamines}
18/8083 . . . . . {with compounds containing at least one heteroatom other than oxygen or nitrogen}
18/8087 . . . . . {containing halogen atoms}

18/809 . . . . . {containing silicon}
18/8093 . . . . . {Compounds containing active methylene groups}
18/8096 . . . . . {with two or more compounds having only one group containing active hydrogen}
18/81 . . . Unsaturated isocyanates or isothiocyanates

NOTES

1. After the symbols C08G 18/81 - C08G 18/8191 and separated by a "," sign is indicated the manufacture of polymers containing ionic or ionogenic groups by one of the symbols C08G 18/0804 - C08G 18/0833
2. After the symbols C08G 18/8158 - C08G 18/8175 and separated by a "," sign are indicated the polymer-backbone forming high-molecular-weight compounds containing active hydrogen or their combination with low-molecular-weight compounds by one of the symbols C08G 18/40 - C08G 18/64 without subnotations, C08G 18/65 - C08G 18/66, C08G 18/6705 and C08G 18/6795 - C08G 18/69

18/8108 . . . . {having only one isocyanate or isothiocyanate group}
18/8116 . . . . . {esters of acrylic or alkylacrylic acid having only one isocyanate or isothiocyanate group}
18/8125 . . . . {having two or more isocyanate or isothiocyanate groups}
18/8133 . . . . {having acetylenic groups}
18/8141 . . . . {masked}
18/815 . . . . . {Polyisocyanates or polyisothiocyanates masked with unsaturated compounds having active hydrogen}
18/8158 . . . . . {with unsaturated compounds having only one group containing active hydrogen}
18/8166 . . . . . {with unsaturated monofunctional alcohols or amines}
18/8175 . . . . . {with esters of acrylic or alkylacrylic acid having only one group containing active hydrogen}
18/8183 . . . . . {with unsaturated compounds containing the unsaturation at least partially in a cyclic ring having at least one oxygen atom in the ring}
18/8191 . . . . . {with acetylenic compounds having active hydrogen}
18/82 . . Post-polymerisation treatment
18/83 . . Chemically modified polymers
18/831 . . . {by oxygen-containing compounds inclusive of carbonic acid halogenides, carboxylic acid halogenides and epoxy halides (by aldehydes C08G 18/84, by peroxides C08G 18/86)}
18/832 . . . . {by water acting as hydrolizing agent (reaction of isocyanates with water C08G 18/302; reaction of isocyanate prepolymers with water C08G 18/10 + C08G 18/302)}
18/833 . . . {by nitrogen containing compounds (by azo compounds C08G 18/85)}
18/834 . . . {by compounds containing a thiol group}
18/835 . . . . {Unsaturated polymers modified by compounds containing a thiol group}
18/836 . . . {by phosphorus containing compounds}
18/837 . . . {by silicon containing compounds}
18/838 . . . {by compounds containing heteroatoms other than oxygen, halogens, nitrogen, sulfur, phosphorus or silicon}
18/84 . . . by aldehydes
18/85 . . . by azo compounds
18/86 . . . by peroxides
18/87 . . . by sulfur

59/00 Polycondensates containing more than one epoxy group per molecule (low-molecular-weight polyepoxy compounds C07)**; Macromolecules obtained by polymerising compounds containing more than one epoxy group per molecule using curing agents or catalysts which react with the epoxy groups**

59/02 . Polycondensates containing more than one epoxy group per molecule
59/022 . . {characterised by the preparation process or apparatus used}
59/025 . . {characterised by the purification methods used}
59/027 . . {obtained by epoxydation of unsaturated precursor, e.g. polymer or monomer}
59/04 . . of polyhydroxy compounds with epihalohydrins or precursors thereof
59/06 . . . of polyhydric phenols
59/063 . . . . {with epihalohydrins}
59/066 . . . . {with chain extension or advancing agents}
59/08 . . . . from phenol-aldehyde condensates
59/10 . . of polyamines with epihalohydrins or precursors thereof
59/12 . . of polycarboxylic acids with epihalohydrins or precursors thereof
59/14 . Polycondensates modified by chemical after-treatment
59/1405 . . {with inorganic compounds}
59/1411 . . . {containing sulfur}
59/1416 . . . . {Hydrogen sulfide}
59/1422 . . . {containing phosphorus}
59/1427 . . . {with water, e.g. hydrolysis}
59/1433 . . {with organic low-molecular-weight compounds}
59/1438 . . . {containing oxygen}
59/1444 . . . . {Monoalcohols}
59/145 . . . . {Compounds containing one epoxy group}
59/1455 . . . . {Monocarboxylic acids, anhydrides, halides, or low-molecular-weight esters thereof}
59/1461 . . . . . {Unsaturated monoacids}
59/1466 . . . . . {Acrylic or methacrylic acids}
59/1472 . . . . . {Fatty acids}
59/1477 . . . {containing nitrogen}
59/1483 . . . {containing sulfur}
59/1488 . . . {containing phosphorus}
59/1494 . . {followed by a further chemical treatment thereof}

59/18 . Macromolecules obtained by polymerising compounds containing more than one epoxy group per molecule using curing agents or catalysts which react with the epoxy groups {; e.g. general methods of curing}
59/182 . . {using pre-adducts of epoxy compounds with curing agents}
59/184 . . . {with amines}
59/186 . . . {with acids}
59/188 . . {using encapsulated compounds}
59/20 . . characterised by the epoxy compounds used

NOTE

Preparation and curing of epoxy polycondensates, in which the epoxy polycondensate is not exclusively low-molecular-weight compound and in which the method of curing is not important, are classified only in groups C08G 59/02 - C08G 59/12.

59/22 . . . Di-epoxy compounds
59/223 . . . . {together with monoepoxy compounds}
59/226 . . . . {Mixtures of di-epoxy compounds}
59/24 . . . . carbocyclic
59/245 . . . . . {aromatic}
59/26 . . . . heterocyclic
59/28 . . . . containing acyclic nitrogen atoms
59/30 . . . . containing atoms other than carbon, hydrogen, oxygen and nitrogen
59/302 . . . . . {containing sulfur}
59/304 . . . . . {containing phosphorus}
59/306 . . . . . {containing silicon}
59/308 . . . . . {containing halogen atoms}
59/32 . . . Epoxy compounds containing three or more epoxy groups
59/3209 . . . . {obtained by polymerisation of unsaturated mono-epoxy compounds}
59/3218 . . . . {Carbocyclic compounds}
59/3227 . . . . {Compounds containing acyclic nitrogen atoms}
59/3236 . . . . {Heterocylic compounds}
59/3245 . . . . . {containing only nitrogen as a heteroatom}
59/3254 . . . . {containing atoms other than carbon, hydrogen, oxygen or nitrogen}
59/3263 . . . . . {containing sulfur}
59/3272 . . . . . {containing phosphorus}
59/3281 . . . . . {containing silicon}
59/329 . . . . . {containing halogen atoms}
59/34 . . . . obtained by epoxidation of an unsaturated polymer
59/36 . . . . together with mono-epoxy compounds
59/38 . . . . together with di-epoxy compounds
59/40 . . characterised by the curing agents used
59/4007 . . . {Curing agents not provided for by the groups C08G 59/42 - C08G 59/66}
59/4014 . . . . {Nitrogen containing compounds}
59/4021 . . . . . {Ureas; Thioureas; Guanidines; Dicyandiamides}
59/4028 . . . . . {Isocyanates; Thioisocyanates}
59/4035 . . . . . {Hydrazines; Hydrazides}
59/4042 . . . . . {Imines; Imides}
59/405 . . . . . {Oximes}
59/4057 . . . . . {Carbamates}
59/4064 . . . . {sulfur containing compounds (C08G 59/4021, C08G 59/4028 take precedence)}
59/4071 . . . . {phosphorus containing compounds}
59/4078 . . . . {boron containing compounds}
59/4085 . . . . {silicon containing compounds}
59/4092 . . . . {titanium containing compounds}
59/42 . . . Polycarboxylic acids; Anhydrides, halides or low molecular weight esters thereof
59/4207 . . . . {aliphatic}
59/4215 . . . . {cycloaliphatic}
59/4223 . . . . {aromatic}
59/423 . . . . {containing an atom other than oxygen belonging to a functional groups to C08G 59/42, carbon and hydrogen}
59/4238 . . . . {heterocyclic}
59/4246 . . . . {polymers with carboxylic terminal groups}
59/4253 . . . . . {Rubbers}
59/4261 . . . . . {Macromolecular compounds obtained by reactions involving only unsaturated carbon-to-carbon bindings (C08G 59/4253 takes precedence)}
59/4269 . . . . . {Macromolecular compounds obtained by reactions other than those involving unsaturated carbon-to-carbon bindings (C08G 59/4253 takes precedence)}
59/4276 . . . . . {Polyesters}
59/4284 . . . . {together with other curing agents}
59/4292 . . . . {together with monocarboxylic acids}
59/44 . . . Amides
59/442 . . . . {Thioamides}
59/444 . . . . {Sulfonamides}
59/446 . . . . {Phosphoramides}
59/448 . . . . {Lactames}
59/46 . . . . together with other curing agents
59/48 . . . . . with polycarboxylic acids, or with anhydrides, halides or low-molecular-weight esters thereof
59/50 . . . Amines
59/5006 . . . . {aliphatic}
59/5013 . . . . . {containing more than seven carbon atoms, e.g. fatty amines}
59/502 . . . . . {Polyalkylene polyamines}
59/5026 . . . . {cycloaliphatic}
59/5033 . . . . {aromatic}
59/504 . . . . {containing an atom other than nitrogen belonging to the amine group, carbon and hydrogen}
59/5046 . . . . {heterocyclic}
59/5053 . . . . . {containing only nitrogen as a heteroatom}
59/506 . . . . . {having one nitrogen atom in the ring}
59/5066 . . . . . {Aziridines or their derivatives}
59/5073 . . . . . {having two nitrogen atoms in the ring}
59/508 . . . . . {having three nitrogen atoms in the ring}
59/5086 . . . . . {Triazines; Melamines; Guanamines}
59/5093 . . . . {Complexes of amines}
59/52 . . . . Amino carboxylic acids
59/54 . . . . Amino amides>
59/56 . . . . together with other curing agents
59/58 . . . . . with polycarboxylic acids or with anhydrides, halides, or low-molecular-weight esters thereof

59/60 . . . . . with amides
59/62 . . . Alcohols or phenols
59/621 . . . . {Phenols}
59/623 . . . . . {Aminophenols}
59/625 . . . . {Hydroxyacids}
59/626 . . . . . {Lactones}
59/628 . . . . . {Phenolcarboxylic acids}
59/64 . . . . Amino alcohols
59/66 . . . Mercaptans
59/68 . . characterised by the catalysts used
59/681 . . . {Metal alcoholates, phenolates or carboxylates}
59/682 . . . . {Alcoholates}
59/683 . . . . {Phenolates}
59/685 . . . . {Carboxylates}
59/686 . . . {containing nitrogen}
59/687 . . . {containing sulfur}
59/688 . . . {containing phosphorus}
59/70 . . . Chelates
59/72 . . . Complexes of boron halides

61/00 Macromolecular compounds obtained by reactions forming a carbon-to-carbon link in the main chain of the macromolecule (C08G 2/00 - C08G 16/00 take precedence)

NOTE

In this group, it is desirable to add the indexing codes C08G 2261/00 - C08G 2261/964

61/02 . Macromolecular compounds containing only carbon atoms in the main chain of the macromolecule, e.g. polyxylylenes
61/025 . . {Polyxylylenes}
61/04 . . only aliphatic carbon atoms
61/06 . . . prepared by ring-opening of carbocyclic compounds
61/08 . . . . of carbocyclic compounds containing one or more carbon-to-carbon double bonds in the ring
61/10 . . only aromatic carbon atoms, e.g. polyphenylenes
61/12 . Macromolecular compounds containing atoms other than carbon in the main chain of the macromolecule
61/121 . . {derived from organic halides}
61/122 . . {derived from five- or six-membered heterocyclic compounds, other than imides}
61/123 . . . {derived from five-membered heterocyclic compounds}
61/124 . . . . {with a five-membered ring containing one nitrogen atom in the ring}
61/125 . . . . {with a five-membered ring containing one oxygen atom in the ring}
61/126 . . . . {with a five-membered ring containing one sulfur atom in the ring}
61/127 . . {derived from carbon dioxide, carbonyl halide, carboxylic acids or their derivatives}

63/00 Macromolecular compounds obtained by reactions forming a carboxylic ester link in the main chain of the macromolecule (polyester-amides C08G 69/44; polyester-imides C08G 73/16)

NOTE

Compounds characterised by the chemical constitution of the polyesters are classified in the groups for the type of polyester compound. Compounds characterised by the preparation process of the polyesters are classified in groups C08G 63/78-C08G 63/87 for the process employed. Compounds characterised both by the chemical constitution and by the preparation process are classified according to each of these aspects.

63/005 . {Polyesters prepared from ketenes}
63/02 . Polyesters derived from hydroxycarboxylic acids or from polycarboxylic acids and polyhydroxy compounds
63/06 . . derived from hydroxycarboxylic acids
63/065 . . . {the hydroxy and carboxylic ester groups being bound to aromatic rings}
63/08 . . . Lactones or lactides
63/12 . . derived from polycarboxylic acids and polyhydroxy compounds
63/123 . . . the acids or hydroxy compounds containing carbocyclic rings
63/127 . . . . Acids containing aromatic rings
63/13 . . . . . containing two or more aromatic rings
63/133 . . . . Hydroxy compounds containing aromatic rings
63/137 . . . . Acids or hydroxy compounds containing cycloaliphatic rings
63/16 . . . Dicarboxylic acids and dihydroxy compounds
63/18 . . . . the acids or hydroxy compounds containing carbocyclic rings
63/181 . . . . . Acids containing aromatic rings
63/183 . . . . . Terephthalic acids
63/185 . . . . . containing two or more aromatic rings
63/187 . . . . . containing condensed aromatic rings
63/189 . . . . . containing a naphthalene ring
63/19 . . . . . Hydroxy compounds containing aromatic rings
63/191 . . . . . Hydroquinones
63/193 . . . . . containing two or more aromatic rings
63/195 . . . . . Bisphenol A
63/197 . . . . . containing condensed aromatic rings
63/199 . . . . . Acids or hydroxy compounds containing cycloaliphatic rings
63/20 . . . . Polyesters having been prepared in the presence of compounds having one reactive group or more than two reactive groups
63/21 . . . . . in the presence of unsaturated monocarboxylic acids or unsaturated monohydric alcohols or reactive derivatives thereof
63/40 . . . Polyesters derived from ester-forming derivatives of polycarboxylic acids or of polyhydroxy compounds, other than from esters thereof
63/42 . . . . Cyclic ethers (C08G 59/00 takes precedence); Cyclic carbonates; Cyclic sulfites; Cyclic orthoesters
63/44 . . . . Polyamides; Polynitriles
63/46 . . . Polyesters chemically modified by esterification (C08G 63/20 takes precedence; by after-treatment C08G 63/91)
63/47 . . . . by unsaturated monocarboxylic acids or unsaturated monohydric alcohols or reactive derivatives thereof

63/48 . . . . by unsaturated higher fatty oils or their acids; by resin acids
63/50 . . . . by monohydric alcohols
63/52 . . . Polycarboxylic acids or polyhydroxy compounds in which at least one of the two components contains aliphatic unsaturation
63/54 . . . . the acids or hydroxy compounds containing carbocyclic rings
63/547 . . . . . Hydroxy compounds containing aromatic rings
63/553 . . . . . Acids or hydroxy compounds containing cycloaliphatic rings, e.g. Diels-Alder adducts
63/56 . . . . Polyesters derived from ester-forming derivatives of polycarboxylic acids or of polyhydroxy compounds other than from esters thereof
63/58 . . . . . Cyclic ethers (C08G 59/00 takes precedence); Cyclic carbonates; Cyclic sulfites {; Cyclic orthoesters}
63/60 . . derived from the reaction of a mixture of hydroxy carboxylic acids, polycarboxylic acids and polyhydroxy compounds
63/605 . . . {the hydroxy and carboxylic groups being bound to aromatic rings}
63/64 . Polyesters containing both carboxylic ester groups and carbonate groups
63/66 . Polyesters containing oxygen in the form of ether groups (C08G 63/42, C08G 63/58 take precedence)
63/664 . . derived from hydroxy carboxylic acids
63/668 . . derived from polycarboxylic acids and polyhydroxy compounds
63/672 . . . Dicarboxylic acids and dihydroxy compounds
63/676 . . . in which at least one of the two components contains aliphatic unsaturation
63/68 . Polyesters containing atoms other than carbon, hydrogen and oxygen (C08G 63/64 takes precedence)
63/681 . . {containing elements not provided for by groups C08G 63/682 - C08G 63/698}
63/682 . . containing halogens
63/6822 . . . {derived from hydroxy carboxylic acids}
63/6824 . . . {derived from polycarboxylic acids and polyhydroxy compounds}
63/6826 . . . . {Dicarboxylic acids and dihydroxy compounds}
63/6828 . . . . {Polycarboxylic acids and polyhydroxy compounds in which at least one of the two components contains aliphatic unsaturation}
63/685 . . containing nitrogen
63/6852 . . . {derived from hydroxy carboxylic acids}
63/6854 . . . {derived from polycarboxylic acids and polyhydroxy compounds}
63/6856 . . . . {Dicarboxylic acids and dihydroxy compounds}
63/6858 . . . . {Polycarboxylic acids and polyhydroxy compounds in which at least one of the two components contains aliphatic unsaturation}
63/688 . . containing sulfur
63/6882 . . . {derived from hydroxy carboxylic acids}
63/6884 . . . {derived from polycarboxylic acids and polyhydroxy compounds}
63/6886 . . . . {Dicarboxylic acids and dihydroxy compounds}
63/6888 . . . . {Polycarboxylic acids and polyhydroxy compounds in which at least one of the two components contains aliphatic unsaturation}
63/692 . . containing phosphorus
63/6922 . . . {derived from hydroxy carboxylic acids}
63/6924 . . . {derived from polycarboxylic acids and polyhydroxy compounds}
63/6926 . . . . {Dicarboxylic acids and dihydroxy compounds}
63/6928 . . . . {Polycarboxylic acids and polyhydroxy compounds in which at least one of the two components contains aliphatic unsaturation}
63/695 . . containing silicon
63/6952 . . . {derived from hydroxycarboxylic acids}
63/6954 . . . {derived from polxycarboxylic acids and polyhydroxy compounds}
63/6956 . . . . {Dicarboxylic acids and dihydroxy compounds}
63/6958 . . . . {Polycarboxylic acids and polyhydroxy compounds in which at least one of the two components contains aliphatic unsaturation}
63/698 . . containing boron
63/6982 . . . {derived from hydroxy carboxylic acids}
63/6984 . . . {derived from polycarboxylic acids and polyhydroxy compounds}
63/6986 . . . . {Dicarboxylic acids and dihydroxy compounds}
63/6988 . . . . {Polycarboxylic acids and polyhydroxy compounds in which at least one of the two components contains aliphatic unsaturation}
63/78 . Preparation processes
63/785 . . {characterised by the apparatus used}
63/79 . . Interfacial processes, i.e. processes involving a reaction at the interface of two non-miscible liquids
63/80 . . Solid-state polycondensation
63/81 . . using solvents (C08G 63/79 takes precedence)
63/82 . . characterised by the catalyst used
63/823 . . . {for the preparation of polylactones or polylactides}
63/826 . . . {Metals not provided for in groups C08G 63/83 - C08G 63/86 (C08G 63/823 takes precedence)}
63/83 . . . Alkali metals, alkaline earth metals, beryllium, magnesium, copper, silver, gold, zinc, cadmium, mercury, manganese, or compounds thereof {(C08G 63/823 takes precedence)}
63/84 . . . Boron, aluminium, gallium, indium, thallium, rare-earth metals, or compounds thereof {(C08G 63/823 takes precedence)}
63/85 . . . Germanium, tin, lead, arsenic, antimony, bismuth, titanium, zirconium, hafnium, vanadium, niobium, tantalum, or compounds thereof {(C08G 63/823 takes precedence)}
63/86 . . . . Germanium, antimony, or compounds thereof
63/863 . . . . . {Germanium or compounds thereof}
63/866 . . . . . {Antimony or compounds thereof}
63/87 . . . Non-metals or inter-compounds thereof (boron C08G 63/84)
63/88 . Post-polymerisation treatment
63/89 . . Recovery of the polymer
63/90 . . Purification; Drying
63/91 . Polymers modified by chemical after-treatment

63/912 . . {derived from hydroxycarboxylic acids}
63/914 . . {derived from polycarboxylic acids and polyhydroxy compounds}
63/916 . . . {Dicarboxylic acids and dihydroxy compounds}
63/918 . . . {Polycarboxylic acids and polyhydroxy compounds in which at least one of the two components contains aliphatic unsaturation}

64/00 Macromolecular compounds obtained by reactions forming a carbonic ester link in the main chain of the macromolecule (polycarbonate-amides C08G 69/44; polycarbonate-imides C08G 73/16)

NOTE

Polymers containing both carboxylic ester groups and carbonate groups are always classified in group C08G 63/64, even when the carbonate groups are present in excess.

64/02 . Aliphatic polycarbonates
64/0208 . . {saturated}
64/0216 . . . {containing a chain-terminating or -crosslinking agent}
64/0225 . . . {containing atoms other than carbon, hydrogen or oxygen}
64/0233 . . . . {containing halogens}
64/0241 . . . . {containing nitrogen}
64/025 . . . . {containing sulfur}
64/0258 . . . . {containing phosphorus}
64/0266 . . . . {containing silicon}
64/0275 . . . . {containing boron}
64/0283 . . . . {containing other elements}
64/0291 . . {unsaturated}
64/04 . Aromatic polycarbonates
64/045 . . {containing aliphatic unsaturation}
64/06 . . not containing aliphatic unsaturation
64/08 . . . containing atoms other than carbon, hydrogen or oxygen
64/081 . . . . {containing sulfur}
64/083 . . . . {containing phosphorus}
64/085 . . . . {containing silicon}
64/086 . . . . {containing boron}
64/088 . . . . {containing other elements}
64/10 . . . . containing halogens
64/12 . . . . containing nitrogen
64/14 . . . containing a chain-terminating or -crosslinking agent
64/16 . Aliphatic-aromatic or araliphatic polycarbonates
64/1608 . . {saturated}
64/1616 . . . {containing a chain-terminating or -crosslinking agent}
64/1625 . . . {containing atoms other than carbon, hydrogen or oxygen}
64/1633 . . . . {containing halogens}
64/1641 . . . . {containing nitrogen}
64/165 . . . . {containing sulfur}
64/1658 . . . . {containing phosphorus}
64/1666 . . . . {containing silicon}
64/1675 . . . . {containing boron}
64/1683 . . . . {containing other elements}
64/1691 . . {unsaturated}
64/18 . Block or graft polymers
64/183 . . {containing polyether sequences}
64/186 . . {containing polysiloxane sequences}
64/20 . General preparatory processes
64/205 . . {characterised by the apparatus used}
64/22 . . using carbonyl halides
64/223 . . . {and cyclic ethers}
64/226 . . . {and alcohols}
64/24 . . . and phenols
64/26 . . using halocarbonates
64/263 . . . {and cyclic ethers}
64/266 . . . {and alcohols}
64/28 . . . and phenols
64/30 . . using carbonates
64/302 . . . {and cyclic ethers}
64/305 . . . {and alcohols}
64/307 . . . {and phenols}
64/32 . . using carbon dioxide
64/323 . . . {and alcohols}
64/326 . . . {and phenols}
64/34 . . . and cyclic ethers
64/36 . . using carbon monoxide
64/38 . . using other monomers
64/40 . Post-polymerisation treatment
64/403 . . {Recovery of the polymer}
64/406 . . {Purifying; Drying}
64/42 . Chemical after-treatment

65/00 Macromolecular compounds obtained by reactions forming an ether link in the main chain of the macromolecule

65/002 . {from unsaturated compounds (unsaturated oxiranes C08G 65/14)}
65/005 . . {containing halogens}
65/007 . . . {containing fluorine}
65/02 . from cyclic ethers by opening of the heterocyclic ring
65/04 . . from cyclic ethers only
65/06 . . . Cyclic ethers having no atoms other than carbon and hydrogen outside the ring
65/08 . . . . Saturated oxiranes
65/10 . . . . . characterised by the catalysts used
65/105 . . . . . {Onium compounds}
65/12 . . . . . containing organo-metallic compounds or metal hydrides
65/14 . . . . Unsaturated oxiranes
65/16 . . . . Cyclic ethers having four or more ring atoms
65/18 . . . . . Oxetanes
65/20 . . . . . Tetrahydrofuran
65/22 . . . Cyclic ethers having at least one atom other than carbon and hydrogen outside the ring
65/223 . . . . {containing halogens (epihalohydrins C08G 65/24)}
65/226 . . . . . {containing fluorine}
65/24 . . . . Epihalohydrins
65/26 . . from cyclic ethers and other compounds
65/2603 . . . {the other compounds containing oxygen}
65/2606 . . . . {containing hydroxyl groups}
65/2609 . . . . . {containing aliphatic hydroxyl groups}
65/2612 . . . . . {containing aromatic or arylaliphatic hydroxyl groups}
65/2615 . . . . {the other compounds containing carboxylic acid, ester or anhydride groups}
65/2618 . . . {the other compounds containing nitrogen}
65/2621 . . . . {containing amine groups}

65/2624 . . . . . {containing aliphatic amine groups}
65/2627 . . . . . {containing aromatic or arylaliphatic amine groups}
65/263 . . . . . {containing heterocyclic amine groups}
65/2633 . . . . {the other compounds containing amide groups}
65/2636 . . . {the other compounds containing sulfur}
65/2639 . . . {the other compounds containing elements other than oxygen, nitrogen or sulfur}
65/2642 . . . {characterised by the catalyst used}

NOTES

1. In this group classification is made according to the metal in the compounds, if any
2. In this group boron is considered a metal and magnesium as an alkaline earth metal

65/2645 . . . . {Metals or compounds thereof, e.g. salts}
65/2648 . . . . . {Alkali metals or compounds thereof}
65/2651 . . . . . {Alkaline earth metals or compounds thereof}
65/2654 . . . . . {Aluminium or boron; Compounds thereof}
65/2657 . . . . . {Aluminosilicates; Clays; Zeolites}
65/266 . . . . . {Metallic elements not covered by group C08G 65/2648 - C08G 65/2645, or compounds thereof}
65/2663 . . . . . {Metal cyanide catalysts, i.e. DMC's}
65/2666 . . . . . {Hetero polyacids}
65/2669 . . . . {Non-metals or compounds thereof (boron C08G 65/2654)}
65/2672 . . . . . {Nitrogen or compounds thereof}
65/2675 . . . . . {Phosphorus or compounds thereof}
65/2678 . . . . . {Sulfur or compounds thereof}
65/2681 . . . . . {Silicon or compounds thereof (silicates C08G 65/2657)}
65/2684 . . . . . {Halogens or compounds thereof}
65/2687 . . . . . {Elements not covered by groups C08G 65/2672 - C08G 65/2684 or compounds thereof}
65/269 . . . . {Mixed catalyst systems, i.e. containing more than one reactive component or catalysts formed in-situ}
65/2693 . . . . {Supported catalysts}
65/2696 . . . {characterised by the process or apparatus used}
65/30 . . Post-polymerisation treatment, e.g. recovery, purification, drying
65/32 . . Polymers modified by chemical after-treatment
65/321 . . . with inorganic compounds
65/322 . . . . containing hydrogen
65/323 . . . . containing halogens
65/3233 . . . . . {Molecular halogen}
65/3236 . . . . . {Fluorine}
65/324 . . . . containing oxygen
65/3245 . . . . . {Carbondioxide}
65/325 . . . . containing nitrogen
65/3255 . . . . . {Ammonia}
65/326 . . . . containing sulfur
65/3265 . . . . . {Sulfurdioxide}
65/327 . . . . containing phosphorus
65/328 . . . . containing other elements
65/329 . . . with organic compounds
65/331 . . . . containing oxygen {(cyclic ether compounds C08G 65/26)}
65/3311 . . . . . {containing a hydroxy group}
65/3312 . . . . . {acyclic}
65/3314 . . . . . {cyclic}
65/3315 . . . . . {aromatic}
65/3317 . . . . . {phenolic}
65/3318 . . . . . {heterocyclic}
65/332 . . . . . containing carboxyl groups, or halides, or esters thereof
65/3322 . . . . . {acyclic}
65/3324 . . . . . {cyclic}
65/3326 . . . . . {aromatic}
65/3328 . . . . . {heterocyclic}
65/333 . . . . containing nitrogen
65/33303 . . . . . {containing amino group}
65/33306 . . . . . {acyclic}
65/3331 . . . . . {cyclic}
65/33313 . . . . . {aromatic}
65/33317 . . . . . {heterocyclic}
65/3332 . . . . . {containing carboxamide group}
65/33324 . . . . . {acyclic}
65/33327 . . . . . {cyclic}
65/33331 . . . . . {containing imide group}
65/33334 . . . . . {acyclic}
65/33337 . . . . . {cyclic}
65/33341 . . . . . {aromatic}
65/33344 . . . . . {containing carbamate group}
65/33348 . . . . . {containing isocyanate group}
65/33351 . . . . . {acyclic}
65/33355 . . . . . {cyclic}
65/33358 . . . . . {aromatic}
65/33362 . . . . . {heterocyclic}
65/33365 . . . . . {containing cyano group}
65/33368 . . . . . {acyclic}
65/33372 . . . . . {acrylonitrile}
65/33375 . . . . . {cyclic}
65/33379 . . . . . {containing nitro group}
65/33382 . . . . . {acyclic}
65/33386 . . . . . {cyclic}
65/33389 . . . . . {aromatic}
65/33393 . . . . . {heterocyclic}
65/33396 . . . . . {having oxygen in addition to nitrogen}
65/334 . . . . containing sulfur
65/3342 . . . . . {having sulfur bound to carbon and hydrogen}
65/3344 . . . . . {containing oxygen in addition to sulfur}
65/3346 . . . . . {having sulfur bound to carbon and oxygen}
65/3348 . . . . . {containing nitrogen in addition to sulfur}
65/335 . . . . containing phosphorus
65/3351 . . . . . {having phosphorus bound to carbon and hydrogen}
65/3353 . . . . . {containing oxygen in addition to phosphorus}
65/3355 . . . . . {having phosphorus bound to carbon and oxygen}
65/3356 . . . . . {having nitrogen in addition to phosphorus}
65/3358 . . . . . {having sulfur in addition to phosphorus}
65/336 . . . . containing silicon

65/337 . . . . containing other elements (organic compounds containing halogens only as halides of a carboxyl group C08G 65/332)
65/338 . . . with inorganic and organic compounds
65/34 . from hydroxy compounds or their metallic derivatives {(C08G 65/26 takes precedence)}
65/36 . . Furfuryl alcohol
65/38 . . derived from phenols
65/40 . . . from phenols (I) and other compounds (II), e.g. OH-Ar-OH + X-Ar-X, where X is halogen atom, i.e. leaving group
65/4006 . . . . {(I) or (II) containing elements other than carbon, oxygen, hydrogen or halogen as leaving group (X)}
65/4012 . . . . {Other compound (II) containing a ketone group, e.g. X-Ar-C(=O)-Ar-X for polyetherketones}
65/4018 . . . . . {(I) or (II) containing halogens other than as leaving group (X)}
65/4025 . . . . . {(I) or (II) containing fluorine other than as leaving group (X)}
65/4031 . . . . . {(I) or (II) containing nitrogen}
65/4037 . . . . . {in ring structure, e.g. pyridine group}
65/4043 . . . . . {(I) or (II) containing oxygen other than as phenol or carbonyl group}
65/405 . . . . . {in ring structure, e.g. phenolphtalein}
65/4056 . . . . . {(I) or (II) containing sulfur (as the sulfone group C08G 75/23)}
65/4062 . . . . . {in ring structure}
65/4068 . . . . . {(I) or (II) containing elements not covered by groups C08G 65/4018 - C08G 65/4056}
65/4075 . . . . {from self-polymerisable monomers, e.g. OH-Ar-X}
65/4081 . . . . {forming cyclic polymers or oligomers}
65/4087 . . . . {characterised by the catalyst used}
65/4093 . . . . {characterised by the process or apparatus used}
65/42 . . . . Phenols and polyhydroxy ethers
65/44 . . . by oxidation of phenols
65/46 . . Post-polymerisation treatment, e.g. recovery, purification, drying
65/48 . . Polymers modified by chemical after-treatment
65/485 . . . {Polyphenylene oxides}

67/00 Macromolecular compounds obtained by reactions forming in the main chain of the macromolecule a linkage containing oxygen or oxygen and carbon, not provided for in groups C08G 2/00 - C08G 65/00

67/02 . Copolymers of carbon monoxide and aliphatic unsaturated compounds
67/04 . Polyanhydrides

69/00 Macromolecular compounds obtained by reactions forming a carboxylic amide link in the main chain of the macromolecule (products obtained from isocyanates or isothiocyanates C08G 18/00; polyamide-imides C08G 73/14)

69/02 . Polyamides derived from amino-carboxylic acids or from polyamines and polycarboxylic acids
69/04 . . Preparatory processes
69/06 . . . Solid state polycondensation
69/08 . . derived from amino-carboxylic acids
69/10 . . . Alpha-amino-carboxylic acids {(polysuccinimides C08G 73/1092)}
69/12 . . . with both amino and carboxylic groups aromatically bound
69/14 . . . Lactams
69/16 . . . . Preparatory processes
69/18 . . . . . Anionic polymerisation
69/20 . . . . . characterised by the catalysts used
69/22 . . . . Beta-lactams
69/24 . . . . Pyrrolidones or piperidones
69/26 . . derived from polyamines and polycarboxylic acids
69/265 . . . {from at least two different diamines or at least two different dicarboxylic acids}
69/28 . . . Preparatory processes
69/30 . . . . Solid state polycondensation
69/32 . . . from aromatic diamines and aromatic dicarboxylic acids with both amino and carboxylic groups aromatically bound
69/34 . . . using polymerised unsaturated fatty acids
69/36 . . derived from amino acids, polyamines and polycarboxylic acids
69/38 . Polyamides prepared from aldehydes and polynitriles
69/40 . Polyamides containing oxygen in the form of ether groups (C08G 69/12, C08G 69/32 take precedence)
69/42 . Polyamides containing atoms other than carbon, hydrogen, oxygen, and nitrogen (C08G 69/12, C08G 69/32 take precedence)
69/44 . Polyester-amides
69/46 . Post-polymerisation treatment
69/48 . Polymers modified by chemical after-treatment
69/50 . . with aldehydes

71/00 Macromolecular compounds obtained by reactions forming a ureide or urethane link, otherwise, than from isocyanate radicals in the main chain of the macromolecule

71/02 . Polyureas
71/04 . Polyurethanes

73/00 Macromolecular compounds obtained by reactions forming a linkage containing nitrogen with or without oxygen or carbon in the main chain of the macromolecule, not provided for in groups C08G 12/00 - C08G 71/00 {(polycarbodiimides prepared from isocyanates C08G 18/025, C08G 18/797)**}**

73/02 . Polyamines
73/0206 . . {Polyalkylene(poly)amines}
73/0213 . . . {Preparatory process}
73/022 . . . . {from polyamines and epihalohydrins}
73/0226 . . . . {Quaternisation of polyalkylene(poly)amines}
73/0233 . . {Polyamines derived from (poly)oxazolines, (poly)oxazines or having pendant acyl groups}
73/024 . . {Polyamines containing oxygen in the form of ether bonds in the main chain}
73/0246 . . {Polyamines containing other atoms than carbon, hydrogen, nitrogen or oxygen in the main chain}
73/0253 . . . {Polyamines containing sulfur in the main chain}
73/026 . . {Wholly aromatic polyamines}
73/0266 . . . {Polyanilines or derivatives thereof}

73/0273 . . {Polyamines containing heterocyclic moieties in the main chain}
73/028 . . {Polyamidoamines}
73/0286 . . . {Preparatory process from polyamidoamines and epihalohydrins}
73/0293 . . . {Quaternisation of polyamidoamines}
73/06 . Polycondensates having nitrogen-containing heterocyclic rings in the main chain of the macromolecule

NOTES

1. In this subgroup, "spiro" and "bridged" compounds are considered as condensed
2. Heterocyclic rings containing both nitrogen and sulfur are classified in subgroups C08G 75/00 - C08G 75/32

73/0605 . . {Polycondensates containing five-membered rings, not condensed with other rings, with nitrogen atoms as the only ring hetero atoms}
73/0611 . . . {with only one nitrogen atom in the ring, e.g. polypyrroles (polysuccinimides C08G 73/1092)}
73/0616 . . . {with only two nitrogen atoms in the ring}
73/0622 . . {Polycondensates containing six-membered rings, not condensed with other rings, with nitrogen atoms as the only ring hetero atoms}
73/0627 . . . {with only one nitrogen atom in the ring}
73/0633 . . . {with only two nitrogen atoms in the ring}
73/0638 . . . {with at least three nitrogen atoms in the ring}
73/0644 . . . . {Poly(1,3,5)triazines}
73/065 . . . . {Preparatory processes}
73/0655 . . . . . {from polycyanurates}
73/0661 . . . . . {characterised by the catalyst used}
73/0666 . . {Polycondensates containing five-membered rings, condensed with other rings, with nitrogen atoms as the only ring hetero atoms}
73/0672 . . . {with only one nitrogen atom in the ring}
73/0677 . . . {with only two nitrogen atoms in the ring}
73/0683 . . {Polycondensates containing six-membered rings, condensed with other rings, with nitrogen atoms as the only ring hetero atoms}
73/0688 . . . {with only one nitrogen atom in the ring, e.g. polyquinolines}
73/0694 . . . {with only two nitrogen atoms in the ring, e.g. polyquinoxalines}
73/08 . . Polyhydrazides; Polytriazoles; Polyaminotriazoles; Polyoxadiazoles
73/10 . . Polyimides; Polyester-imides; Polyamide-imides; Polyamide acids or similar polyimide precursors
73/1003 . . . {Preparatory processes}
73/1007 . . . . {from tetracarboxylic acids or derivatives and diamines}
73/101 . . . . . {containing chain terminating or branching agents}
73/1014 . . . . . {in the form of (mono)anhydrid}
73/1017 . . . . . {in the form of (mono)amine}
73/1021 . . . . . {characterised by the catalyst used}
73/1025 . . . . . {polymerised by radiations}
73/1028 . . . . . {characterised by the process itself, e.g. steps, continuous}
73/1032 . . . . . {characterised by the solvent(s) used}
73/1035 . . . . {from tetracarboxylic acids or derivatives and diisocyanates}
73/1039 . . . {comprising halogen-containing substituents}
73/1042 . . . {Copolyimides derived from at least two different tetracarboxylic compounds or two different diamino compounds}
73/1046 . . . {Polyimides containing oxygen in the form of ether bonds in the main chain}
73/105 . . . . {with oxygen only in the diamino moiety}
73/1053 . . . . {with oxygen only in the tetracarboxylic moiety}
73/1057 . . . {Polyimides containing other atoms than carbon, hydrogen, nitrogen or oxygen in the main chain}
73/106 . . . . {containing silicon}
73/1064 . . . . {containing sulfur}
73/1067 . . . {Wholly aromatic polyimides, i.e. having both tetracarboxylic and diamino moieties aromatically bound}
73/1071 . . . . {Wholly aromatic polyimides containing oxygen in the form of ether bonds in the main chain}
73/1075 . . . {Partially aromatic polyimides}
73/1078 . . . . {wholly aromatic in the diamino moiety}
73/1082 . . . . {wholly aromatic in the tetracarboxylic moiety}
73/1085 . . . {Polyimides with diamino moieties or tetracarboxylic segments containing heterocyclic moieties}
73/1089 . . . {Polyisoimides}
73/1092 . . . {Polysuccinimides}
73/1096 . . . {containing azo linkage in the main chain}
73/12 . . . Unsaturated polyimide precursors
73/121 . . . . {Preparatory processes from unsaturated precursors and polyamines}
73/122 . . . . . {containing chain terminating or branching agents}
73/123 . . . . {the unsaturated precursors comprising halogen-containing substituents}
73/124 . . . . {the unsaturated precursors containing oxygen in the form of ether bonds in the main chain}
73/125 . . . . {the unsaturated precursors containing atoms other than carbon, hydrogen, oxygen or nitrogen in the main chain}
73/126 . . . . {the unsaturated precursors being wholly aromatic}
73/127 . . . . . {containing oxygen in the form of ether bonds in the main chain}
73/128 . . . . {the unsaturated precursors containing heterocyclic moieties in the main chain}
73/14 . . . Polyamide-imides
73/16 . . . Polyester-imides
73/18 . . Polybenzimidazoles
73/20 . . Pyrrones
73/22 . . Polybenzoxazoles
73/24 . Copolymers of a fluoronitroso organic compound and another fluoro organic compound, e.g. nitroso rubbers
73/26 . . of trifluoronitrosomethane with a fluoro-olefin

75/00 Macromolecular compounds obtained by reactions forming a linkage containing sulfur with or without nitrogen, oxygen, or carbon in the main chain of the macromolecule

75/02 . Polythioethers

75/0204 . . Polyarylenethioethers

NOTES

1. In this group, macromolecular compounds are classified for the inventive aspects which are relevant in any of the following sets of groups:
   - C08G 75/0209-C08G 75/0245;
   - C08G 75/025-C08G 75/0268;
   - C08G 75/0277-C08G 75/0281;
   - C08G 75/0286-C08G 75/0295.
2. Within each set of groups mentioned in Note (1), the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place.

WARNING

Groups C08G 75/0204-C08G 75/0281 are incomplete pending reclassification of documents from groups C08G 75/04 and C08G 75/045.

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

75/0209 . . . derived from monomers containing one aromatic ring

75/0213 . . . . containing elements other than carbon, hydrogen or sulfur

75/0218 . . . . . {containing oxygen}

75/0222 . . . . . containing nitrogen

75/0227 . . . derived from monomers containing two or more aromatic rings

75/0231 . . . containing chain-terminating or chain-branching agents

75/0236 . . . containing atoms other than carbon or sulfur in a linkage between arylene groups

75/024 . . . . containing carbonyl groups

75/0245 . . . Block or graft polymers

WARNING

Group C08G 75/0245 is incomplete pending reclassification of documents from group C08G 75/12.

Groups C08G 75/12 and C08G 75/0245 should be considered in order to perform a complete search.

75/025 . . . Preparatory processes

75/0254 . . . . using metal sulfides

75/0259 . . . . metal hydrogensulfides

75/0263 . . . . using elemental sulfur

75/0268 . . . . using disulfides

75/0272 . . . . {using other sulfur sources}

75/0277 . . . Post-polymerisation treatment (chemical after-treatment C08G 75/0286)

WARNING

Groups C08G 75/0277 and C08G 75/0281 are incomplete pending reclassification of documents from groups C08G 75/04 and C08G 75/045. Groups C08G 75/0277 and C08G 75/0281 are also impacted by reclassification into groups C08G 75/0286-C08G 75/0295.

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

75/0281 . . . . Recovery or purification

75/0286 . . . Chemical after-treatment

WARNING

Groups C08G 75/0286-C08G 75/0295 are incomplete pending reclassification of documents from groups C08G 75/0277, C08G 75/0281, C08G 75/04, and C08G 75/045.

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

75/029 . . . . Modification with organic compounds

75/0295 . . . . Modification with inorganic compounds

75/04 . . from mercapto compounds or metallic derivatives thereof (C08G 75/0204 takes precedence)

WARNING

Groups C08G 75/04 and C08G 75/045 are impacted by reclassification into groups C08G 75/0204-C08G 75/0295.

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

75/045 . . . from mercapto compounds and unsaturated compounds

75/06 . . from cyclic thioethers

75/08 . . . from thiiranes

75/10 . . from sulfur or sulfur-containing compounds and aldehydes or ketones

75/12 . Polythioether-ethers (C08G 75/0245 takes precedence)

WARNING

Group C08G 75/12 is impacted by reclassification into group C08G 75/0245.

Groups C08G 75/12 and C08G 75/0245 should be considered in order to perform a complete search.

75/14 . Polysulfides

75/16 . . by polycondensation of organic compounds with inorganic polysulfides

75/18 . Polysulfoxides

75/20 . Polysulfones

75/205 . . Copolymers of sulfur dioxide with unsaturated organic compounds

75/22 . . . Copolymers of sulfur dioxide with unsaturated aliphatic compounds

75/23 . . Polyethersulfones
75/24 . Polysulfonates
75/26 . Polythioesters
75/28 . Polythiocarbonates
75/30 . Polysulfonamides; Polysulfonimides
75/32 . Polythiazoles; Polythiadiazoles

77/00 Macromolecular compounds obtained by reactions forming a linkage containing silicon with or without sulfur, nitrogen, oxygen or carbon in the main chain of the macromolecule

77/02 . Polysilicates
77/04 . Polysiloxanes
77/045 . . {containing less than 25 silicon atoms}
77/06 . . Preparatory processes {(C08G 77/045 takes precedence)}
77/08 . . . characterised by the catalysts used
77/10 . . . Equilibration processes
77/12 . . containing silicon bound to hydrogen {(C08G 77/045 takes precedence)}
77/14 . . containing silicon bound to oxygen-containing groups {(C08G 77/045 takes precedence)}
77/16 . . . to hydroxyl groups
77/18 . . . to alkoxy or aryloxy groups
77/20 . . containing silicon bound to unsaturated aliphatic groups {(C08G 77/045 takes precedence)}
77/22 . . containing silicon bound to organic groups containing atoms other than carbon, hydrogen and oxygen {(C08G 77/045 takes precedence)}
77/24 . . . halogen-containing groups
77/26 . . . nitrogen-containing groups
77/28 . . . sulfur-containing groups
77/30 . . . phosphorus-containing groups
77/32 . . Post-polymerisation treatment ({C08G 77/045 takes precedence} chemical after-treatment C08G 77/38)
77/34 . . . Purification
77/36 . . . Fractionation
77/38 . . Polysiloxanes modified by chemical after-treatment {(C08G 77/045 takes precedence)}
77/382 . . . containing atoms other than carbon, hydrogen, oxygen or silicon
77/385 . . . . containing halogens
77/388 . . . . containing nitrogen
77/392 . . . . containing sulfur
77/395 . . . . containing phosphorus
77/398 . . . . containing boron or metal atoms
77/42 . Block-or graft-polymers containing polysiloxane sequences (polymerising aliphatic unsaturated monomers on to a polysiloxane C08F 283/12)
77/44 . . containing only polysiloxane sequences
77/442 . . containing vinyl polymer sequences
77/445 . . containing polyester sequences
77/448 . . . containing polycarbonate sequences
77/452 . . containing nitrogen-containing sequences
77/455 . . . containing polyamide, polyesteramide or polyimide sequences
77/458 . . containing polyurethane sequences
77/46 . . containing polyether sequences
77/48 . in which at least two but not all the silicon atoms are connected by linkages other than oxygen atoms (C08G 77/42 takes precedence)
77/485 . . {containing less than 25 silicon atoms}
77/50 . . by carbon linkages {(C08G 77/485 takes precedence)}
77/52 . . . containing aromatic rings
77/54 . . Nitrogen-containing linkages {(C08G 77/485 takes precedence)}
77/56 . . Boron-containing linkages {(C08G 77/485 takes precedence)}
77/58 . . Metal-containing linkages {(C08G 77/485 takes precedence)}
77/60 . in which all the silicon atoms are connected by linkages other than oxygen atoms
77/62 . . Nitrogen atoms
77/70 . {Siloxanes defined by use of the MDTQ nomenclature}
77/80 . {Siloxanes having aromatic substituents, e.g. phenyl side groups}

79/00 Macromolecular compounds obtained by reactions forming a linkage containing atoms other than silicon, sulfur, nitrogen, oxygen, and carbon {with or without the latter elements in the main chain of the macromolecule}

79/02 . a linkage containing phosphorus
79/025 . . Polyphosphazenes
79/04 . . Phosphorus linked to oxygen or to oxygen and carbon
79/06 . . Phosphorus linked to carbon only
79/08 . a linkage containing boron
79/10 . a linkage containing aluminium
79/12 . a linkage containing tin
79/14 . a linkage containing two or more elements other than carbon, oxygen, nitrogen, sulfur and silicon

81/00 Macromolecular compounds obtained by interreacting polymers in the absence of monomers, e.g. block polymers (involving only carbon-to-carbon unsaturated bond reactions C08F 299/00 {; polyester-amides C08G 69/44; polyester-imides C08G 73/16; polyamides-imides C08G 73/14; block- or graft polymers containing polysiloxane sequences C08G 77/42})

81/02 . at least one of the polymers being obtained by reactions involving only carbon-to-carbon unsaturated bonds
81/021 . . {Block or graft polymers containing only sequences of polymers of C08C or C08F}
81/022 . . . {containing sequences of polymers of conjugated dienes and of polymers of alkenyl aromatic compounds}
81/024 . . {Block or graft polymers containing sequences of polymers of C08C or C08F and of polymers of C08G}
81/025 . . . {containing polyether sequences}
81/027 . . . {containing polyester or polycarbonate sequences}
81/028 . . . {containing polyamide sequences}

83/00 Macromolecular compounds not provided for in groups C08G 2/00 - C08G 81/00

83/001 . {Macromolecular compounds containing organic and inorganic sequences, e.g. organic polymers grafted onto silica}
83/002 . {Dendritic macromolecules}
83/003 . . {Dendrimers}
83/004 . . . {After treatment of dendrimers}

83/005 . . {Hyperbranched macromolecules}
83/006 . . . {After treatment of hyperbranched macromolecules}
83/007 . {Polyrotaxanes; Polycatenanes}
83/008 . {Supramolecular polymers}

85/00 General processes for preparing compounds provided for in this subclass
85/002 . {Post-polymerisation treatment}
85/004 . {Modification of polymers by chemical after-treatment}
85/006 . {Scale prevention in polymerisation reactors}
85/008 . {Cleaning reaction vessels using chemicals (mechanical methods B08B 9/08)}

2101/00 Foams
2101/0008 . {flexible}
2101/0016 . {semi-rigid}
2101/0025 . {rigid}
2101/0033 . {having integral skins}
2101/0041 . {having specified density}
2101/005 . . {< 50 kg/m}
2101/0058 . . {> 50 and < 150 kg/m}
2101/0066 . . {> 150 Kg/m including microcellular foams}
2101/0075 . {prepared with an isocyanate index of 60 or lower}
2101/0083 . {prepared using water as the sole blowing agent}
2101/0091 . {Aerogels; Xerogels}

2105/00 Oligomerisation
2105/02 . to isocyanurate groups
2105/06 . to carbodiimide or uretone-imine groups

2120/00 Compositions for reaction injection moulding processes

2125/00 Compositions for processes using internal mould release agents

2130/00 Compositions of compatibilising agents used in mixtures of high-molecular-weight compounds having active hydrogen with other compounds having active hydrogen

2140/00 Compositions for moulding powders

2150/00 Compositions for coatings (not used)
2150/20 . Compositions for powder coatings
2150/50 . Compositions for coatings applied by spraying at least two streams of reaction components
2150/60 . Compositions for foaming; Foamed or intumescent coatings
2150/90 . Compositions for anticorrosive coatings

2170/00 Compositions for adhesives (not used)
2170/20 . Compositions for hot melt adhesives
2170/40 . Compositions for pressure-sensitive adhesives
2170/60 . Compositions for foaming; Foamed or intumescent adhesives
2170/80 . Compositions for aqueous adhesives
2170/90 . Compositions for adhesives used in footwear

2190/00 Compositions for sealing or packing joints

2210/00 Compositions for preparing hydrogels

2220/00 Compositions for preparing gels other than hydrogels, aerogels and xerogels

2230/00 Compositions for preparing biodegradable polymers

2250/00 Compositions for preparing crystalline polymers

2261/00 Macromolecular compounds obtained by reactions forming a carbon-to-carbon link in the main chain of the macromolecule
2261/10 . Definition of the polymer structure
2261/11 . . Homopolymers
2261/12 . . Copolymers
2261/122 . . . statistical
2261/124 . . . alternating
2261/126 . . . block
2261/128 . . . graft
2261/13 . . Morphological aspects
2261/131 . . . dendritic
2261/132 . . . branched or hyperbranched
2261/133 . . . Rod-like building block
2261/1332 . . . . Non-ladder-type, e.g. polyphenylenes, PPVs or polythiophenes
2261/1334 . . . . Step-ladder-type, e.g. polyfluorenes or polycarbazoles
2261/1336 . . . . Ladder-type, e.g. ladder-poly-p-phenylenes
2261/134 . . . Rod and coil building blocks
2261/135 . . . Cross-linked structures
2261/136 . . . Comb-like structures
2261/14 . . Side-groups
2261/141 . . . Side-chains having aliphatic units
2261/1412 . . . . Saturated aliphatic units
2261/1414 . . . . Unsaturated aliphatic units
2261/142 . . . Side-chains containing oxygen
2261/1422 . . . . containing OH groups
2261/1424 . . . . containing ether groups, including alkoxy
2261/1426 . . . . containing carboxy groups (COOH) and/or -C(=O)O-moieties
2261/1428 . . . . containing acyl groups
2261/143 . . . Side-chains containing nitrogen
2261/1432 . . . . containing amide groups
2261/1434 . . . . containing triarylamine moieties
2261/144 . . . Side-chains containing silicon
2261/145 . . . Side-chains containing sulfur
2261/1452 . . . . containing sulfonyl or sulfonate-groups
2261/146 . . . Side-chains containing halogens
2261/147 . . . Side-chains with other heteroatoms in the side-chain
2261/148 . . . Side-chains having aromatic units
2261/149 . . . Side-chains having heteroaromatic units
2261/15 . . . conjugated side-chains
2261/152 . . . comprising metal complexes
2261/1522 . . . . of alkali metals or alkaline-earth metals
2261/1523 . . . . of rare earth metals, i.e. Sc, Y or lanthanides
2261/1524 . . . . of Ti, V, Cr, Zr, Nb, Mo, Hf, Ta or W
2261/1526 . . . . of Os, Ir, Pt, Ru, Rh or Pd
2261/1528 . . . . of Al
2261/1529 . . . . of Fe, Co or Ni
2261/16 . . End groups
2261/162 . . . comprising metal complexes
2261/1621 . . . . of alkali metals or alkaline-earth metals
2261/1622 . . . . of rare earth metals, i.e. Sc, Y or lanthanides
2261/1623 . . . . of Ti, V, Cr, Zr, Nb, Mo, Hf, Ta or W
2261/1624 . . . . of Os, Ir, Pt, Ru, Rh or Pd
2261/1625 . . . . of Al

2261/1626 . . . . of Fe, Co or Ni
2261/164 . . . comprising organic end groups
2261/1642 . . . . comprising reactive double bonds or triple bonds
2261/1644 . . . . comprising other functional groups, e.g. OH groups, NH groups, COOH groups or boronic acid
2261/1646 . . . . comprising aromatic or heteroaromatic end groups
2261/17 . . Dendritic core
2261/18 . . conjugated
2261/19 . . partially conjugated
2261/20 . . non-conjugated
2261/21 . . Stereochemical aspects
2261/212 . . . Regioregularity
2261/214 . . . Chirality
2261/216 . . . Cis-trans isomerism
2261/22 . . Molecular weight
2261/222 . . . monodisperse
2261/224 . . . polydisperse
2261/226 . . . Oligomers, i.e. up to 10 repeat units
2261/228 . . . Polymers, i.e. more than 10 repeat units
2261/30 . Monomer units or repeat units incorporating structural elements in the main chain
2261/31 . . incorporating aromatic structural elements in the main chain
2261/312 . . . Non-condensed aromatic systems, e.g. benzene
2261/314 . . . Condensed aromatic systems, e.g. perylene, anthracene or pyrene
2261/3142 . . . . fluorene-based, e.g. fluorene, indenofluorene, or spirobifluorene
2261/316 . . . bridged by heteroatoms, e.g. N, P, Si or B
2261/3162 . . . . Arylamines
2261/32 . . incorporating heteroaromatic structural elements in the main chain
2261/322 . . . non-condensed
2261/3221 . . . . containing one or more nitrogen atoms as the only heteroatom, e.g. pyrrole, pyridine or triazole
2261/3222 . . . . containing one or more oxygen atoms as the only heteroatom, e.g. furan
2261/3223 . . . . containing one or more sulfur atoms as the only heteroatom, e.g. thiophene
2261/3224 . . . . containing one or more Si atoms as the only heteroatom
2261/3225 . . . . containing one or more Se atoms as the only heteroatom
2261/3226 . . . . containing one or more Te atoms as the only heteroatom
2261/3227 . . . . containing only one kind of heteroatoms other than N, O, S, Si, Se, Te
2261/3228 . . . . containing nitrogen and oxygen as heteroatoms
2261/3229 . . . . containing nitrogen and sulfur as heteroatoms
2261/323 . . . . containing combinations of different heteroatoms other than nitrogen and oxygen or nitrogen and sulfur
2261/324 . . . condensed
2261/3241 . . . . containing one or more nitrogen atoms as the only heteroatom, e.g. carbazole
2261/3242 . . . . containing one or more oxygen atoms as the only heteroatom, e.g. benzofuran
2261/3243 . . . . containing one or more sulfur atoms as the only heteroatom, e.g. benzothiophene
2261/3244 . . . . containing only one kind of heteroatoms other than N, O, S
2261/3245 . . . . containing nitrogen and oxygen as heteroatoms
2261/3246 . . . . containing nitrogen and sulfur as heteroatoms
2261/3247 . . . . containing combinations of different heteroatoms other than nitrogen and oxygen or nitrogen and sulfur
2261/33 . . incorporating non-aromatic structural elements in the main chain
2261/332 . . . containing only carbon atoms
2261/3321 . . . . derived from cyclopentene
2261/3322 . . . . derived from cyclooctene
2261/3323 . . . . derived from other monocyclic systems
2261/3324 . . . . derived from norbornene
2261/3325 . . . . derived from other polycyclic systems
2261/3326 . . . . alkane-based
2261/3327 . . . . alkene-based
2261/3328 . . . . alkyne-based
2261/334 . . . containing heteroatoms
2261/3342 . . . . derived from cycloolefins containing heteroatoms
2261/34 . . incorporating partially-aromatic structural elements in the main chain
2261/342 . . . containing only carbon atoms
2261/3422 . . . . conjugated, e.g. PPV-type
2261/3424 . . . . non-conjugated, e.g. paracyclophanes or xylenes
2261/344 . . . containing heteroatoms
2261/3442 . . . . Polyetherketones
2261/3444 . . . . Polyethersulfones
2261/35 . . Macromonomers, i.e. comprising more than 10 repeat units
2261/352 . . . containing only carbon atoms
2261/354 . . . containing hetero atoms
2261/36 . . Oligomers, i.e. comprising up to 10 repeat units
2261/362 . . . containing only carbon atoms
2261/364 . . . containing hetero atoms
2261/37 . . Metal complexes
2261/371 . . . of alkali metals and alkaline-earth metals
2261/372 . . . of rare earth metals, i.e. Sc, Y, lanthanides
2261/373 . . . of Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W
2261/374 . . . of Os, Ir, Pt, Ru, Rh, Pd
2261/375 . . . of Al
2261/376 . . . of Fe, Co, Ni
2261/40 . Polymerisation processes
2261/41 . . Organometallic coupling reactions
2261/411 . . . Suzuki reactions
2261/412 . . . Yamamoto reactions
2261/413 . . . Heck reactions
2261/414 . . . Stille reactions
2261/415 . . . Sonogashira / Hagihara reactions
2261/416 . . . zinc-based, e.g. Rieke reactions
2261/417 . . . magnesium-based, e.g. Grignard or McCullough reactions
2261/418 . . . Ring opening metathesis polymerisation [ROMP]
2261/419 . . . Acyclic diene metathesis [ADMET]

2261/42 . . Non-organometallic coupling reactions, e.g. Gilch-type or Wessling-Zimmermann type
2261/43 . . Chemical oxidative coupling reactions, e.g. with $FeCl_3$
2261/44 . . Electrochemical polymerisation, i.e. oxidative or reductive coupling
2261/45 . . Friedel-Crafts-type
2261/46 . . Diels-Alder reactions
2261/50 . Physical properties
2261/51 . . Charge transport
2261/512 . . . Hole transport
2261/514 . . . Electron transport
2261/516 . . . ion-conductive
2261/52 . . Luminescence
2261/522 . . . fluorescent
2261/5222 . . . . electrofluorescent
2261/524 . . . phosphorescent
2261/5242 . . . . electrophosphorescent
2261/526 . . . used as active layer in lasers
2261/53 . . liquid-crystalline
2261/54 . . electrochromatic
2261/55 . . thermoelectric
2261/56 . . thermochromic
2261/57 . . photorefractive, e.g. change of refractive index
2261/58 . . corrosion-inhibiting
2261/59 . . Stability
2261/592 . . . against heat
2261/594 . . . against light, i.e. electromagnetic radiation
2261/596 . . . against oxidation
2261/598 . . . Chemical stability
2261/60 . . Glass transition temperature
2261/61 . . Permeability
2261/612 . . . for gases
2261/614 . . . for liquids
2261/62 . . Mechanical aspects
2261/63 . . Viscosity
2261/64 . . Solubility
2261/65 . . Electrical insulator
2261/70 . Post-treatment
2261/71 . . Purification
2261/712 . . . Catalyst removal
2261/72 . . Derivatisation
2261/722 . . . Sulfonation
2261/724 . . . Hydrogenation
2261/726 . . . Silylation
2261/728 . . . Acylation
2261/73 . . Depolymerisation
2261/74 . . Further polymerisation of the obtained polymers, e.g. living polymerisation to obtain block-copolymers
2261/75 . . Reaction of polymer building blocks for the formation of block-copolymers
2261/76 . . crosslinking
2261/77 . . grafting
2261/78 . . Complexation
2261/79 . . doping
2261/792 . . . with low-molecular weight dopants
2261/794 . . . with polymeric dopants
2261/80 . . Functional group cleavage, e.g. removal of side-chains or protective groups
2261/90 . Applications
2261/91 . . Photovoltaic applications
2261/92 . . TFT applications
2261/93 . . Applications in textiles, fabrics and yarns
2261/94 . . Applications in sensors, e.g. biosensors
2261/95 . . Use in organic luminescent diodes
2261/96 . . coating of particles
2261/962 . . . coating of organic particles
2261/964 . . . coating of inorganic particles

2270/00 Compositions for creating interpenetrating networks

2280/00 Compositions for creating shape memory

2290/00 Compositions for creating anti-fogging

2310/00 Agricultural use or equipment

2330/00 Thermal insulation material (not used)
2330/50 . Evacuated open-celled polymer material

2340/00 Filter material

2350/00 Acoustic or vibration damping material

2380/00 Tyres

2390/00 Containers
2390/40 . Inner coatings for containers

2410/00 Soles

2650/00 Macromolecular compounds obtained by reactions forming an ether link in the main chain of the macromolecule
2650/02 . characterized by the type of post-polymerisation functionalisation
2650/04 . . End-capping
2650/06 . . Epoxy-capping
2650/08 . . . Epoxy- capping used as a source of hydroxy groups
2650/10 . . characterized by the catalyst used in the post-polymerisation functionalisation step
2650/12 . . Depolymerisation, e.g. to reform the monomer
2650/14 . . De-esterification, e.g. of polythf-diesters
2650/16 . . Photopolymerisation
2650/18 . . Photodegradation
2650/20 . . Cross-linking
2650/22 . characterised by the initiator used in polymerisation
2650/24 . . Polymeric initiators
2650/26 . . Sugars or saccharides used as initiators
2650/28 . characterised by the polymer type
2650/30 . . branched
2650/32 . . . dendritic or similar
2650/34 . . Oligomeric, e.g. cyclic oligomeric
2650/36 . . Pre-polymer
2650/38 . . containing oxygen in addition to the ether group
2650/40 . . . containing ketone groups, e.g. polyarylethylketones, PEEK or PEK
2650/42 . . . containing orthoester groups
2650/44 . . . containing acetal or formal groups
2650/46 . . containing halogen
2650/48 . . . containing fluorine, e.g. perfluropolyethers
2650/50 . . containing nitrogen, e.g. polyetheramines or Jeffamines(r)
2650/52 . . obtained by dehydration of polyhydric alcohols
2650/54 . . . Polyglycerols
2650/56 . . Polyhydroxyethers, e.g. phenoxy resins

2650/58 . . Ethylene oxide or propylene oxide copolymers, e.g. pluronics
2650/60 . . containing acetylenic group
2650/62 . characterised by the nature of monomer used
2650/64 . . Monomer containing functional groups not involved in polymerisation
2650/66 . . Oligomeric monomers
2650/68 . . Especially purified monomers