C08G

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

NOTES
1. Therapeutic activity of compounds is further classified in subclass A61P.
2. 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.
3. Within each main group of this subclass, 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.
4. This subclass covers also compositions based on monomers which form 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.
5. In this subclass, combination sets [C-Sets] are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions.

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 acetics

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
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
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

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

Condensation polymers of aldehydes or ketones
with only compounds containing hydrogen attached to nitrogen (aminophenols)
12/02 . of aldehydes
12/04 . with acyclic or carboxylic compounds
12/043 . [with at least two compounds covered by more than one of the groups]
12/046 . [one being urea or thiourea]
12/06 . Amines
12/08 . aromatic
12/10 . with acyclic compounds having the moiety \( X = C(\text{—}N\text{—})_2 \) 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)
12/24 . with sulfonic acid amides
12/26 . with heterocyclic compounds

Condensation polymers of aldehydes or ketones
with two or more other monomers covered by at least two of the groups
12/263 . [with at least two compounds covered by more than one of the groups]
12/266 . [one being melamine]
12/268 . with substituted diazines, diazoles or triazoles
12/270 . with substituted triazines
12/272 . Melamines
12/274 . and acyclic or carboxylic compounds
12/276 . Ureas; Thioureas
12/278 . and melamines
12/280 . Chemically modified polycondensates
12/282 . by etherifying
12/284 . [of polycondensates based on acyclic or carboxylic compounds]
12/286 . [based on urea or thiourea]
12/288 . [of polycondensates based on heterocyclic compounds]
12/290 . [based on triazines]
12/292 . [Melamine]
12/294 . [of polycondensates based on heterocyclic and carboxylic compounds]
12/296 . by esterifying
12/298 . Block or graft polymers prepared by polycondensation of aldehydes or ketones on to macromolecular compounds

Condensation polymers of aldehydes or ketones
with monomers not provided for in the groups
16/00 . of aldehydes
16/02 . with phenols
16/04 . and monomers containing hydrogen attached to nitrogen
16/06 . Ureas; Thioureas
16/08 . Melamines
16/10 . Chemically modified polycondensates
16/12 . Block or graft polymers prepared by polycondensation of aldehydes or ketones on to macromolecular compounds

Condensation polymers of aldehydes or ketones
with polyamides with aldehydes
18/02 . of aldehydes
18/04 . with polynitriles
18/06 . with inorganic compounds
18/08 . with acyclic or carbocyclic organic compounds
18/10 . containing atoms other than carbon and hydrogen
18/12 . containing oxygen
18/14 . containing nitrogen
18/16 . containing sulfur
18/18 . containing phosphorus
18/20 . with heterocyclic organic compounds
18/22 . [containing oxygen in the ring]
18/24 . [Furfuryl alcohol]
18/26 . [containing nitrogen in the ring]
18/28 . [containing sulfur in the ring]
18/30 . [containing phosphorus in the ring]
18/32 . [with organometallic or metal-containing organic compounds]
18/34 . [with natural products, oils, bitumens, residues]
18/36 . Chemically modified polycondensates
Polymeric products of isocyanates or isothiocyanates

**NOTE**

In this group, C-Sets are used.
The detailed information about the C-Sets
construction and the associated syntax rules is
present in the Definitions of C08G.

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 carbo diimide
groups]

18/027 . . [the polymeric products containing urethione
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]

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)]

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 urethane groups]
18/10 . . Prepolymer processes involving reaction of
isocyanates or isothiocyanates with compounds
having active hydrogen in a first reaction step

**NOTE**

In groups C08G 18/10 and C08G 18/12, C-
Sets are used.
The detailed information about the C-Sets
construction and the associated syntax rules is
present in the Definitions of C08G.

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 18/16, 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
18/2099 . . . [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

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 terpenecarcohols]

18/2825 . . . . . . . [having at least 6 carbon atoms]

18/283 . . . . . . . [Compounds containing ether groups, e.g. oxalkylated monohydroxy compounds]

18/2835 . . . . . . . [having less than 5 ether groups]

18/284 . . . . . . . [Compounds containing ester groups, e.g. oxalkylated monohydroxy carboxylic 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; Hydroxamines

18/3203 . . . . . . . [Polyhydroxy compounds]

18/3206 . . . . . . . [Aliphatic]
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 monohydric compounds}
18/3823 . . . . . . . {containing -N=O groups}
18/3825 . . . . . . . {containing amide groups (C08G 18/3821 takes precedence)}
18/3827 . . . . . . . {Bicyclic amide acetals and derivatives thereof}
18/3829 . . . . . . . {containing urea 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 sulfur}
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 . . . . . . . Polycarbosilanes 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}
polycarboxylic acids containing at least two aromatic rings and polycarboxylic acids

{ containing cycloaliphatic groups }

{ containing only aliphatic groups }

{ derived from dicarboxylic acids and dialcohols }

{ from dicarboxylic acids and dialcohols in combination with polycarboxylic acids and/or polyhydric compounds which are at least trifunctional }

{ containing oxygen in the form of ether groups }

{ derived from polyls containing at least one ether group and polycarboxylic acids }

{ the polyls containing one or two ether groups }

{ derived from polyls containing polyether groups and polycarboxylic acids }

{ derived from polyls containing oxyalkylated carbocyclic groups and polycarboxylic acids }

{ derived from polycarboxylic acids containing at least one ether group and polyls }

{ prepared by oxyalkylation of polysterpolyols }

{ containing carboxylic acid groups }

{ prepared from hydroxycarboxylic acids and/or lactones }

{ Lactones }

{ Privalolactone }

{ Valcrolactone and/or substituted valcrolactone }

{ Caprolactone and/or substituted caprolactone }

{ Lactides }

{ Hydroxycarboxylic acid or ester }

{ prepared from a combination of hydroxyacrylic acids and/or lactones with polycarboxylic acids or ester forming derivatives thereof and polyhydric compounds }

{ modified by higher fatty oils or their acids or by resin acids }

{ prepared from polyester forming components containing monoepoxy compounds (C08G 18/4266 takes precedence) }

{ prepared from polyester forming components containing polyepoxy compounds (C08G 18/4266 takes precedence) }

{ prepared from polyester forming components containing aliphatic aldehyde condensates or hydrogenation products thereof having at least two hydroxy groups }

{ Polycarbonates }

{ having heteroatoms other than oxygen }

{ having halogens }

{ containing nitrogen }

{ containing nitro groups }

{ containing heterocyclic rings having at least one nitrogen atom in the ring }

{ containing one nitrogen atom in the ring }

{ containing two nitrogen atoms in the ring }

{ containing three nitrogen atoms in the ring }

{ Addition products of unsaturated polyesters with amino compounds }

{ containing sulfur }

{ containing phosphorus }

{ containing silicon }

{ Polyethers }

{ Two or more polyethers of different physical or chemical nature }

{ Mixtures of two or more polyetherdiols }

{ Mixtures of polyetherdiols with polyetherpolyols having at least three hydroxy groups }

{ mixtures of two or more polyetherpolyols having at least three hydroxy groups }

{ Mixtures of polyethers containing at least one polyether containing nitrogen }

{ Polyethers containing two hydroxy groups (C08G 18/4833 - C08G 18/5096 take precedence) }

{ Polyethers containing at least three hydroxy groups (C08G 18/4833 - C08G 18/5096 take precedence) }

{ Polyethers containing oxyethylen units }

{ and other oxyalkylene units }

{ containing oxyethylene end groups }

{ containing oxypropylene or higher oxyalkylene end groups }

{ containing mixed oxyethylene-oxyp propane or oxyethylene-higher oxyalkylene end groups }

{ Polyethers containing oxyalkylene groups having four carbon atoms in the alkylene group }

{ Polyethers containing oxyalkylene groups having more than four carbon atoms in the alkylene group }

{ containing at least a part of the ether groups in a side chain }

{ having a low unsaturation value }

{ Polyethers containing cyclic groups }

{ containing cycloaliphatic groups }
Polycondensates of aldehydes

Polythioethers

(with nitrogen compounds)

(with phenols)

prepared from polyepoxy compounds

having heteroatoms other than oxygen

{having halogens}

{having chlorine and/or bromine atoms}

{having chlorine atoms}

{having bromine atoms}

{having fluorine atoms}

{having iodine atoms}

{having nitrogen}

{containing primary and/or secondary amino groups}

{directly linked to carbocyclic groups}

{being in latent form}

{containing carbocyclic groups}

{containing one nitrogen atom in the ring}

{containing two nitrogen atoms in the ring}

{containing three nitrogen atoms in the ring}

{having halogens in addition to nitrogen}

{prepared from polyeoxy compounds}

{containing sulfur}

{having phosphorus}

{having phosphorus bound to carbon and/or to hydrogen}

{having phosphorus bound to oxygen only}

{Phosphate compounds}

{Phosphite compounds}

{having nitrogen in addition to phosphorus}

{having sulfur in addition to phosphorus}

{containing silicon}

Polythioethers

Polycondensates of aldehydes

(with phenols)

{with nitrogen compounds}
polymers having carbon-to-carbon double bonds in a reaction mixture of saturated polymers and isocyanates}
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 . . . . Unsatuated compounds having active hydrogen

NOTE

In groups C08G 18/67 - C08G 18/679, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08G.

18/6705 . . . . { Unsatuated polymers not provided for in the groups C08G 18/671, C08G 18/679, C08G 18/68 or C08G 18/69 }
18/671 . . . . { Unsatuated compounds having only one group containing active hydrogen (takes precedence on groups C08G 18/675 - C08G 18/69) }
18/6715 . . . . { Unsatuated 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 alklylactylate ester groups }
18/673 . . . . { containing two or more acrylate or alkylacrylate ester groups }
18/6735 . . . . { Unsatuated compounds containing the unsaturation at least partially in a non-aromatic carbocyclic ring }
18/674 . . . . { Unsatuated 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 . . . . { Unsatuated 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 . . . . { Unsatuated polyethers }
18/68 . . . . Unsatuated polyesters
18/683 . . . . { containing cyclic groups }
18/686 . . . . { containing cicloaliphatic 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 ) }
08G

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]
18/723 . . . . . . [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 urethane-imine groups}
18/798 . . . . {containing urethione 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

**NOTE**

In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08G.
Epoxy compounds containing three or more epoxy groups: Di-epoxy compounds

Polycondensates containing more than one epoxy group per molecule: 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 59/00 – C08G 59/12.

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 59/00 – C08G 59/12.

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 carboxylic acid halogenides, carboxylic acid halogenides and epoxy halides (by aldehydes C08G 18/84, by peroxides C08G 18/86)]
18/832 . . . . [by water acting as hydrolyzing agent (reaction of isocyanates with water C08G 18/302, reaction of isocyanate precursors 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 epoxidation of unsaturated precursor, e.g. polymer or monomer]
59/04 . . of polyhydroxy compounds with epihalohydrids or precursors thereof
59/06 . . of polyhydric phenols
59/063 . . . . [with epihalohydrids]
59/066 . . . . [with chain extension or advancing agents]
59/08 . . . . from phenol-aldehyde condensates
59/10 . . . . of polyamines with epihalohydrids or precursors thereof
59/12 . . . . of polycarboxylic acids with epihalohydrids or precursors thereof
59/14 . . Polycondensates modified by chemical after-treatment
59/1405 . . . . [with inorganic compounds]
59/1411 . . . . [containing sulfur]
59/1416 . . . . [Hydrogen sulfide]
characterised by the curing agents used

Amines

Amides

low molecular weight esters thereof

Polycarboxylic acids; Anhydrides, halides or low-molecular-weight esters thereof

Curing agents not provided for by the groups

C08G 59/42 - C08G 59/66

{ aromatic }

{ cycloaliphatic }

{ aliphatic }

{ Thioamides }

{ together with monocarboxylic acids }

{ containing more than seven carbon atoms, e.g. fatty amines }

{ Polyalkeylene polyamines }

{ cycloaliphatic }

{ containing silicon }

{ containing halogen atoms }

obtained by epoxidation of an unsaturated polymer

together with mono-epoxy compounds

together with di-epoxy compounds

characterised by the curing agents used

[Curing agents not provided for by the groups C08G 59/42]

{ containing only nitrogen as a heteroatom }

{ having one nitrogen atom in the ring }

{ Azuredines or their derivatives }

{ having two nitrogen atoms in the ring }

{ having three nitrogen atoms in the ring }

{ complexes of amines }

{ Aminocarboxylic acids }

{ Amino amides }

{ together with other curing agents }

{ with polycarboxylic acids or with anhydrides, halides, or low-molecular-weight esters thereof }

{ sulfur containing compounds }

(C08G 59/4021, C08G 59/4028 take precedence)

{ phosphorus containing compounds }

{ boron containing compounds }

{ silicon containing compounds }

{ titanium containing compounds }

{ Polycarboxylic acids; Anhydrides, halides or low molecular weight esters thereof }

{ [aliphatic] }

{ cycloaliphatic }

{ aromatic }

{ containing an atom other than oxygen belonging to a functional groups to carbon and hydrogen }

{ heterocyclic }

{ polymers with carboxylic terminal groups }

{ Macromolecular compounds obtained by reactions involving only unsaturated carbon-to-carbon bindings (C08G 59/4253 takes precedence) }

{ Macromolecular compounds obtained by reactions other than those involving unsaturated carbon-to-carbon bindings (C08G 59/4253 takes precedence) }

{ Polysters }

{ together with other curing agents }

{ together with monocarboxylic acids }

{ Amides }

{ Thioamides }

{ Sulfonamides }

{ Phosphoramides }

{ Lactames }

{ together with other curing agents }

{ with polycarboxylic acids, or with anhydrides, halides or low-molecular-weight esters thereof }

{ Amines }

{ [aliphatic] }

{ containing more than seven carbon atoms, e.g. fatty amines }

{ Polyalkeylene polyamines }

{ aromatic }

{ containing an atom other than nitrogen belonging to the amine group, carbon and hydrogen }

{ heterocyclic }

{ Macromolecular compounds containing only carbon atoms in the main chain of the macromolecule, e.g. polyalkylpolyamines }

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

Macromolecular compounds containing only carbon atoms in the main chain of the macromolecule, e.g. polyalkylpolyamines

{ [Polyxylylenes] }

{ Polyalkylpolyamines }

{ derived from organic halides }

{ derived from five- or six-membered heterocyclic compounds, other than imides }

Macromolecular compounds containing atoms other than carbon in the main chain of the macromolecule

{ from organic halides }

{ from five- or six-membered heterocyclic compounds, other than imides }

Macromolecular compounds containing carbon atoms in the main chain of the macromolecule, e.g. polyalkylpolyamines

{[Aromatic carbon atoms] }

{ Macromolecular compounds containing carbon atoms other than carbon in the main chain of the macromolecule }

{ derived from organic halides }

{ [Aliphatic carbon atoms] }

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)
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-imides 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 . . . . (Polymers prepared from ketenes)
63/02 . . . . Polymers derived from hydroxy carboxylic acids or from polycarboxylic acids and polyhydroxy compounds
63/06 . . . . derived from hydroxy carboxylic 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 . . . . Polymers 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 . . . . Polymers 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 . . . . Polymides; Polynitriles
63/46 . . . . Polymers 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 . . . . Polymers 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]
63/634 . . . . Polymers containing both carboxylic ester groups and carbonate groups
63/636 . . . . Polymers containing oxygen in the form of ether groups (C08G 63/42, C08G 63/58 take precedence)
63/64 . . . . 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 . . . . Polymers 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]
C08G

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 hydroxy carboxylic acids]
63/6954 . . . [derived from polycarboxylic 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 . Preparations 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 hydroxy carboxylic 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]
Cyclic ethers having at least one atom other than carbon and hydrogen outside the ring.

Characterised by the catalysts 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.
Polymers modified by chemical after-treatment purification, drying

Post-polymerisation treatment, e.g. recovery, with organic compounds used

containing nitrogen (cyclic ether compounds C08G 65/26)

containing a hydroxy group

containing acyclic

containing aromatic

containing heterocyclic

containing nitrogen

containing amino group

containing cyano group

containing isocyanate group

containing nitro group

containing acrylic}

containing aromatic

containing heterocyclic

containing nitrogen

containing amino group

containing cyano group

containing isocyanate group

containing nitro group

containing acrylic}
Macromolecular compounds obtained by reactions forming a linkage containing oxygen or carbon, not provided for in groups C08G 2/00 - C08G 65/00

- Polyamides containing atoms other than carbon, hydrogen, nitrogen or oxygen in the main chain (products obtained from amino-carboxylic acids or from polyamides and polycarboxylic acids)
- Preparatory processes
- Solid state polycondensation
- derived from amino-carboxylic acids
- Alpha-amino-carboxylic acids
- with both amino and carboxylic groups aromatic bound
- Lactams
- Preparatory processes
- Anionic polymerisation
- characterised by the catalysts used
- Beta-lactams
- Pyrrolidones or piperidones
- derived from polyamines and polycarboxylic acids

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)

- Polyamides derived from amino-carboxylic acids or from polyamides and polycarboxylic acids
- Preparatory processes
- Solid state polycondensation
- derived from amino-carboxylic acids
- Alpha-amino-carboxylic acids
- {poly(succinimides C08G 73/1092)}
- with both amino and carboxylic groups aromatic bound
- Lactams
- Preparatory processes
- Anionic polymerisation
- {poly(succinimides C08G 73/1092)}
- using polymerised unsaturated fatty acids
- derived from amino acids, polyamines and polycarboxylic acids
- Polyamides containing oxygen in the form of ether groups (C08G 69/12, C08G 69/32 take precedence)
- Polyamides containing atoms other than carbon, hydrogen, oxygen, and nitrogen (C08G 69/12, C08G 69/32 take precedence)
- Polyester-amides
- Post-polymerisation treatment
- Polymers modified by chemical after-treatment
- with aldehydes

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

- Polyureas
- Polyurethanes

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

- Polyamines
- Polyamides
- Preparatory process
- from polyamines and epichlorohydrins
- {Quaternisation of polyalkylene(poly)amines}
- derived from (poly)oxazolines, (poly)oxazines or having pendant acyl groups
- Polyamines containing oxygen in the form of ether bonds in the main chain
- Polyamines containing other atoms than carbon, hydrogen, nitrogen or oxygen in the main chain
- Polyamines containing sulfur in the main chain
- Wholly aromatic polyamines
- {Polyamines containing derivatives thereof}
- {Polyamines containing heterocyclic moieties in the main chain}
- Polyamidoamines
- {Preparatory process from polyamidoamines and epichlorohydrins}
- {Quaternisation of polyamidoamines}
- 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

- Polycondensates containing five-membered rings, not condensed with other rings, with nitrogen atoms as the only ring hetero atoms
- {with only one nitrogen atom in the ring, e.g. polypropyroles (poly(succinimides C08G 73/1092)}
- {with only two nitrogen atoms in the ring}
- {with only two nitrogen atoms in the ring}
- {with at least three nitrogen atoms in the ring}
- {Poly(1,3,5)triazines}
- {Preparatory processes}
- {from polycyanurates}
- {characterised by the catalyst used}
- {Polycondensates containing five-membered rings, condensed with other rings, with nitrogen atoms as the only ring hetero atoms}
- {with only one nitrogen atom in the ring}
- {with only two nitrogen atoms in the ring}
- {with at least three nitrogen atoms in the ring}
- {Poly(1,3,5)triazines}
- {Preparatory processes}
- {from polycyanurates}
- {characterised by the catalyst used}
- {Polycondensates containing five-membered rings, condensed with other rings, with nitrogen atoms as the only ring hetero atoms}
- {with only one nitrogen atom in the ring}
- {with only two nitrogen atoms in the ring}
Polyaminotriazoles; Polyoxadiazoles; Polyhydrazides; Polytriazoles; as the only ring hetero atoms
condensed with other rings, with nitrogen atoms

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

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 75/0286
- C08G 75/0277
- C08G 75/025
- 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.

- 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; Polytiazoles; Polyaminotriazoles; Polyoxadiazoles
- 73/10 Polymides; 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 Polyisoumides
- 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 polyanimes
- 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 Pyrones
- 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
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 hydrosulfides
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 thiocarbonates
75/08 . . . from thioesters
75/10 . . . from sulfur or sulfur-containing compounds and aldehydes or ketones

75/12 . . . Polytheoether-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 polyether 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
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
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
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. polyphenylene, PPVs or polythiophenenes
2261/1334 . Step-ladder-type, e.g. polyfluorenes or polycarbazoles
2261/1336 . Ladder-type, e.g. ladder-poly-p-phenylene
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 - CO(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 spirobi fluorene
2261/316 . bridged by heteroatoms, e.g. N, P, Si or B
2261/3162 . Arylamines
2261/31 . incorporating heteroaromatic structural elements in the main chain
2261/32 . 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
2261/324 . . . condens  
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. benzo furan  
2261/3243 . . . containing one or more nitrogen and oxygen atoms as the only heteroatoms, e.g. benzo thiophene  
2261/3244 . . . containing only one kind of heteroatoms other than N, O, S, Si, Se, Te  
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 . . . alkenic-based  
2261/3328 . . . alkynic-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 . . . Polysulfones  
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
<table>
<thead>
<tr>
<th>Code</th>
<th>Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>2261/725</td>
<td>Silylation</td>
</tr>
<tr>
<td>2261/726</td>
<td>Acylation</td>
</tr>
<tr>
<td>2261/727</td>
<td>Depolymerisation</td>
</tr>
<tr>
<td>2261/74</td>
<td>Further polymerisation of the obtained polymers, e.g. living polymerisation to obtain block-copolymers</td>
</tr>
<tr>
<td>2261/75</td>
<td>Reaction of polymer building blocks for the formation of block-copolymers</td>
</tr>
<tr>
<td>2261/76</td>
<td>Crosslinking</td>
</tr>
<tr>
<td>2261/77</td>
<td>Grafting</td>
</tr>
<tr>
<td>2261/78</td>
<td>Complexation</td>
</tr>
<tr>
<td>2261/79</td>
<td>Doping</td>
</tr>
<tr>
<td>2261/792</td>
<td>with low-molecular weight dopants</td>
</tr>
<tr>
<td>2261/794</td>
<td>with polymeric dopants</td>
</tr>
<tr>
<td>2261/80</td>
<td>Functional group cleavage, e.g. removal of side-chains or protective groups</td>
</tr>
<tr>
<td>2261/90</td>
<td>Applications</td>
</tr>
<tr>
<td>2261/91</td>
<td>Photovoltaic applications</td>
</tr>
<tr>
<td>2261/92</td>
<td>TFT applications</td>
</tr>
<tr>
<td>2261/93</td>
<td>Applications in textiles, fabrics and yarns</td>
</tr>
<tr>
<td>2261/94</td>
<td>Applications in sensors, e.g. biosensors</td>
</tr>
<tr>
<td>2261/95</td>
<td>Use in organic luminescent diodes</td>
</tr>
<tr>
<td>2261/96</td>
<td>Coating of particles</td>
</tr>
<tr>
<td>2261/962</td>
<td>Coating of organic particles</td>
</tr>
<tr>
<td>2261/964</td>
<td>Coating of inorganic particles</td>
</tr>
<tr>
<td>2270/00</td>
<td>Compositions for creating interpenetrating networks</td>
</tr>
<tr>
<td>2280/00</td>
<td>Compositions for creating shape memory</td>
</tr>
<tr>
<td>2290/00</td>
<td>Compositions for creating anti-fogging</td>
</tr>
<tr>
<td>2310/00</td>
<td>Agricultural use or equipment</td>
</tr>
<tr>
<td>2330/00</td>
<td>Thermal insulation material</td>
</tr>
<tr>
<td>2330/50</td>
<td>Evacuated open-celled polymer material</td>
</tr>
<tr>
<td>2340/00</td>
<td>Filter material</td>
</tr>
<tr>
<td>2350/00</td>
<td>Acoustic or vibration damping material</td>
</tr>
<tr>
<td>2380/00</td>
<td>Tyres</td>
</tr>
<tr>
<td>2390/00</td>
<td>Containers</td>
</tr>
<tr>
<td>2390/40</td>
<td>Inner coatings for containers</td>
</tr>
<tr>
<td>2410/00</td>
<td>Soles</td>
</tr>
<tr>
<td>2650/00</td>
<td>Macromolecular compounds obtained by reactions forming an ether link in the main chain of the macromolecule</td>
</tr>
<tr>
<td>2650/02</td>
<td>Characterized by the type of post-polymerisation functionalisation</td>
</tr>
<tr>
<td>2650/04</td>
<td>End-capping</td>
</tr>
<tr>
<td>2650/06</td>
<td>Epoxy-capping</td>
</tr>
<tr>
<td>2650/08</td>
<td>Epoxy-capping used as a source of hydroxy groups</td>
</tr>
<tr>
<td>2650/10</td>
<td>Characterized by the catalyst used in the post-polymerisation functionalisation step</td>
</tr>
<tr>
<td>2650/12</td>
<td>Depolymerisation, e.g. to reform the monomer</td>
</tr>
<tr>
<td>2650/14</td>
<td>De-esterification, e.g. of polythf-diesters</td>
</tr>
<tr>
<td>2650/16</td>
<td>Photopolymerisation</td>
</tr>
<tr>
<td>2650/18</td>
<td>Photodegradation</td>
</tr>
<tr>
<td>2650/20</td>
<td>Cross-linking</td>
</tr>
<tr>
<td>2650/22</td>
<td>Characterised by the initiator used in polymerisation</td>
</tr>
<tr>
<td>2650/24</td>
<td>Polymeric initiators</td>
</tr>
<tr>
<td>2650/26</td>
<td>Sugars or saccharides used as initiators</td>
</tr>
<tr>
<td>2650/28</td>
<td>Characterised by the polymer type</td>
</tr>
<tr>
<td>2650/30</td>
<td>Branched</td>
</tr>
<tr>
<td>2650/32</td>
<td>Dendritic or similar</td>
</tr>
<tr>
<td>2650/34</td>
<td>Oligomeric, e.g. cyclic oligomeric</td>
</tr>
<tr>
<td>2650/36</td>
<td>Pre-polymer</td>
</tr>
<tr>
<td>2650/38</td>
<td>Containing oxygen in addition to the ether group</td>
</tr>
<tr>
<td>2650/40</td>
<td>Containing ketone groups, e.g. polyarylethylketones, PEEK or PEK</td>
</tr>
<tr>
<td>2650/42</td>
<td>Containing orthoester groups</td>
</tr>
<tr>
<td>2650/44</td>
<td>Containing acetal or formal groups</td>
</tr>
<tr>
<td>2650/46</td>
<td>Containing halogen</td>
</tr>
<tr>
<td>2650/48</td>
<td>Containing fluorine, e.g. perfluropolyethers</td>
</tr>
<tr>
<td>2650/50</td>
<td>Containing nitrogen, e.g. polyetheramines or Jeffamines(r)</td>
</tr>
<tr>
<td>2650/52</td>
<td>Obtained by dehydration of polyhydric alcohols</td>
</tr>
<tr>
<td>2650/54</td>
<td>Polyglycerols</td>
</tr>
<tr>
<td>2650/56</td>
<td>Polyhydroxyethers, e.g. phenoxy resins</td>
</tr>
<tr>
<td>2650/58</td>
<td>Ethylene oxide or propylene oxide copolymers, e.g. pluronics</td>
</tr>
<tr>
<td>2650/60</td>
<td>Containing acetylenic group</td>
</tr>
<tr>
<td>2650/62</td>
<td>Characterised by the nature of monomer used</td>
</tr>
<tr>
<td>2650/64</td>
<td>Monomer containing functional groups not involved in polymerisation</td>
</tr>
<tr>
<td>2650/66</td>
<td>Oligomeric monomers</td>
</tr>
<tr>
<td>2650/68</td>
<td>Especially purified monomers</td>
</tr>
</tbody>
</table>