

CPC COOPERATIVE PATENT CLASSIFICATION

C CHEMISTRY; METALLURGY

(NOTES omitted)

CHEMISTRY

C08 ORGANIC MACROMOLECULAR COMPOUNDS; THEIR PREPARATION OR CHEMICAL WORKING-UP; COMPOSITIONS BASED THEREON

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	2/26	. . with compounds containing carbon-to-carbon unsaturation
2/02	. Polymerisation initiated by wave energy or by particle radiation	2/28	. Post-polymerisation treatments
2/04	. Polymerisation by using compounds which act upon the molecular weight, e.g. chain-transferring agents	2/30	. Chemical modification by after-treatment
2/06	. Catalysts (Catalysts in general B01J)	2/32	. . by esterification
2/08	. Polymerisation of formaldehyde	2/34	. . by etherification
2/10	. Polymerisation of cyclic oligomers of formaldehyde	2/36	. . by depolymerisation
2/12	. Polymerisation of acetaldehyde or cyclic oligomers thereof	2/38	. Block or graft polymers prepared by polymerisation of aldehydes or ketones on to macromolecular compounds
2/14	. Polymerisation of single aldehydes not provided for in groups C08G 2/08 - C08G 2/12	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)
2/16	. Polymerisation of single ketones	6/00	Condensation polymers of aldehydes or ketones only
2/18	. Copolymerisation of aldehydes or ketones	6/02	. of aldehydes with ketones
2/20	. . with other aldehydes or ketones		
2/22	. . with epoxy compounds		
2/24	. . with acetals		

8/00	Condensation polymers of aldehydes or ketones with phenols only	12/263	. . . {with at least two compounds covered by more than one of the groups C08G 12/28 - C08G 12/32 }
8/02	. of ketones		
8/04	. of aldehydes	12/266	. . . . {one being melamine}
8/06	. . of furfural	12/28	. . . with substituted diazines, diazoles or triazoles
8/08	. . of formaldehyde, e.g. of formaldehyde formed <u>in situ</u>	12/30	. . . with substituted triazines
8/10	. . . with phenol	12/32	. . . . Melamines
8/12	. . . with monohydric phenols having only one hydrocarbon substituent ortho on para to the OH group, e.g. p-tert.-butyl phenol	12/34	. . . and acyclic or carbocyclic compounds
8/14	. . . with halogenated phenols	12/36	. . . . Ureas; Thioureas
8/16	. . . with amino- or nitrophenols	12/38	. . . . and melamines
8/18	. . . with phenols substituted by carboxylic or sulfonic acid groups	12/40	. . Chemically modified polycondensates
8/20	. . . with polyhydric phenols	12/42	. . . by etherifying
8/22	. . . . Resorcinol	12/421	. . . . {of polycondensates based on acyclic or carbocyclic compounds}
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	12/422	. . . . . {based on urea or thiourea}
8/26	. from mixtures of aldehydes and ketones	12/424	. . . . . {of polycondensates based on heterocyclic compounds}
8/28	. Chemically modified polycondensates	12/425	. . . . . {based on triazines}
8/30	. . by unsaturated compounds, e.g. terpenes	12/427	. . . . . {Melamine}
8/32	. . by organic acids or derivatives thereof, e.g. fatty oils	12/428	. . . . . {of polycondensates based on heterocyclic and acyclic or carbocyclic compounds}
8/34	. . by natural resins or resin acids, e.g. rosin	12/44	. . . by esterifying
8/36	. . by etherifying	12/46	. Block or graft polymers prepared by polycondensation of aldehydes or ketones on to macromolecular compounds
8/38	. Block or graft polymers prepared by polycondensation of aldehydes or ketones onto 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
10/00	Condensation polymers of aldehydes or ketones with aromatic hydrocarbons or halogenated aromatic hydrocarbons only	14/02	. of aldehydes
10/02	. of aldehydes	14/04	. . with phenols
10/04	. . Chemically-modified polycondensates	14/06	. . . and monomers containing hydrogen attached to nitrogen
10/06	. Block or graft polymers prepared by polycondensation of aldehydes or ketones onto macromolecular compounds	14/08	. . . . Ureas; Thioureas
12/00	Condensation polymers of aldehydes or ketones with only compounds containing hydrogen attached to nitrogen (aminophenols C08G 8/16)	14/10	. . . . Melamines
12/02	. of aldehydes	14/12	. . . Chemically modified polycondensates
12/04	. . with acyclic or carbocyclic compounds	14/14	. Block or graft polymers prepared by polycondensation of aldehydes or ketones on to macromolecular compounds
12/043	. . . {with at least two compounds covered by more than one of the groups C08G 12/06 - C08G 12/24 }	16/00	Condensation polymers of aldehydes or ketones with monomers not provided for in the groups C08G 4/00 - C08G 14/00 (with poly nitriles C08G 69/38)
12/046	. . . . {one being urea or thiourea}	16/02	. of aldehydes
12/06	. . . Amines	16/0206	. . {with inorganic compounds}
12/08	. . . . aromatic	16/0212	. . {with acyclic or carbocyclic organic compounds}
12/10	. . . with acyclic compounds having the moiety $X=C(—N<)_2$ in which X is O, S or —N	16/0218	. . . {containing atoms other than carbon and hydrogen}
12/12	. . . . Ureas; Thioureas	16/0225	. . . . {containing oxygen}
12/14	. . . . Dicyandiamides; Dicyandiamidines; Guanidines; Biguanidines; Biuret; Semicarbazides	16/0231	. . . . {containing nitrogen}
12/16	. . . . . Dicyandiamides	16/0237	. . . . {containing sulfur}
12/18	. . . with cyanamide	16/0243	. . . . {containing phosphorus}
12/20	. . . with urethanes or thiourethanes	16/025	. . {with heterocyclic organic compounds}
12/22	. . . with carboxylic acid amides (reaction of polyamides with aldehydes C08G 69/50)	16/0256	. . . {containing oxygen in the ring}
12/24	. . . with sulfonic acid amides	16/0262	. . . . {Furfuryl alcohol}
12/26	. . with heterocyclic compounds	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

- 18/06 . . . Block or graft polymers prepared by polycondensation of aldehydes or ketones on to macromolecular compounds
- 18/00 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 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}
- 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 urethdione 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 18/166](#), [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 or 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}	18/3209	. . . . .	{Aliphatic aldehyde condensates and hydrogenation products thereof}
18/2063	. . . . .	{having two nitrogen atoms in the condensed ring system}	18/3212	. . . . .	{containing cycloaliphatic groups}
18/2072	. . . . .	{having at least three nitrogen atoms in the condensed ring system}	18/3215	. . . . .	{containing aromatic groups or benzoquinone groups}
18/2081	. . . . .	{containing at least two non-condensed heterocyclic rings}	18/3218	. . . . .	{containing cyclic groups having at least one oxygen atom in the ring}
18/209	. . . . .	{having heteroatoms other than oxygen and nitrogen in the ring}	18/3221	. . . . .	{hydroxylated esters of carboxylic acids other than higher fatty acids}
18/22	. . . . .	containing metal compounds	18/3225	. . . . .	{Polyamines}
18/222	. . . . .	{metal compounds not provided for in groups C08G 18/225 - C08G 18/26 }	18/3228	. . . . .	{acyclic}
18/225	. . . . .	{of alkali or alkaline earth metals}	18/3231	. . . . .	{Hydrazine or derivatives thereof}
18/227	. . . . .	{of antimony, bismuth or arsenic}	18/3234	. . . . .	{cycloaliphatic}
18/24	. . . . .	of tin	18/3237	. . . . .	{aromatic (C08G 18/3234 takes precedence)}
18/242	. . . . .	{organometallic compounds containing tin-carbon bonds}	18/324	. . . . .	{containing only one aromatic ring}
18/244	. . . . .	{tin salts of carboxylic acids}	18/3243	. . . . .	{containing two or more aromatic rings}
18/246	. . . . .	{containing also tin-carbon bonds}	18/3246	. . . . .	{heterocyclic, the heteroatom being oxygen or nitrogen in the form of an amino group}
18/248	. . . . .	{inorganic compounds of tin}	18/325	. . . . .	{containing secondary or tertiary amino groups (C08G 18/3228 , C08G 18/3234 , C08G 18/3246 take precedence)}
18/26	. . . . .	of lead	18/3253	. . . . .	{being in latent form}
18/28	. .	characterised by the compounds used containing active hydrogen	18/3256	. . . . .	{Reaction products of polyamines with aldehydes or ketones}
18/2805	. . .	{Compounds having only one group containing active hydrogen (vinylpolymers having terminal groups containing active hydrogen C08G 18/62)}	18/3259	. . . . .	{Reaction products of polyamines with inorganic or organic acids or derivatives thereof other than metallic salts}
18/281	. . . . .	{Monocarboxylic acid compounds}	18/3262	. . . . .	{with carboxylic acids or derivatives thereof}
18/2815	. . . . .	{Monohydroxy compounds}	18/3265	. . . . .	{with carbondioxide or sulfur dioxide}
18/282	. . . . .	{Alkanols, cycloalkanols or arylalkanols including terpenealcohols}	18/3268	. . . . .	{Salt complexes of polyamines}
18/2825	. . . . .	{having at least 6 carbon atoms}	18/3271	. . . . .	{Hydroxyamines}
18/283	. . . . .	{Compounds containing ether groups, e.g. oxyalkylated monohydroxy compounds}	18/3275	. . . . .	{containing two hydroxy groups}
18/2835	. . . . .	{having less than 5 ether groups}	18/3278	. . . . .	{containing at least three hydroxy groups}
18/284	. . . . .	{Compounds containing ester groups, e.g. oxyalkylated monocarboxylic acids}	18/3281	. . . . .	{containing three hydroxy groups}
18/2845	. . . . .	{Monohydroxy epoxy compounds}	18/3284	. . . . .	{containing four hydroxy groups}
18/285	. . . . .	{Nitrogen containing compounds}	18/3287	. . . . .	{containing cycloaliphatic groups}
18/2855	. . . . .	{Lactams}	18/329	. . . . .	{containing aromatic groups}
18/286	. . . . .	{Oximes}	18/3293	. . . . .	{containing heterocyclic groups}
18/2865	. . . . .	{Compounds having only one primary or secondary amino group; Ammonia}	18/3296	. . . . .	{being in latent form}
18/287	. . . . .	{Imine compounds}	18/34	. . . . .	Carboxylic acids; Esters thereof with monohydroxyl compounds
18/2875	. . . . .	{Monohydroxy compounds containing tertiary amino groups}	18/341	. . . . .	{Dicarboxylic acids, esters of polycarboxylic acids containing two carboxylic acid groups}
18/288	. . . . .	{Compounds containing at least one heteroatom other than oxygen or nitrogen}	18/343	. . . . .	{Polycarboxylic acids having at least three carboxylic acid groups}
18/2885	. . . . .	{containing halogen atoms}	18/345	. . . . .	{having three carboxylic acid groups}
18/289	. . . . .	{containing silicon}	18/346	. . . . .	{having four carboxylic acid groups}
18/2895	. . . . .	{Compounds containing active methylene groups}	18/348	. . . . .	{Hydroxycarboxylic acids}
18/30	. . .	Low-molecular-weight compounds (C08G 18/2805 takes precedence)}	18/36	. . . . .	Hydroxylated esters of higher fatty acids
18/302	. . . . .	{Water}	18/38	. . . . .	having heteroatoms other than oxygen (C08G 18/32 takes precedence)
18/305	. . . . .	{creating amino end groups}	18/3802	. . . . .	{having halogens}
18/307	. . . . .	{Atmospheric humidity}	18/3804	. . . . .	{Polyhydroxy compounds}
18/32	. . . . .	Polyhydroxy compounds; Polyamines; Hydroxyamines	18/3806	. . . . .	{having chlorine and/or bromine atoms}
18/3203	. . . . .	{Polyhydroxy compounds}			
18/3206	. . . . .	{aliphatic}			

18/3808	. . . . . {having chlorine atoms}	18/3891	. . . . . {having sulfur in addition to phosphorus}
18/381	. . . . . {having bromine atoms}	18/3893	. . . . . {containing silicon}
18/3812	. . . . . {having fluorine atoms}	18/3895	. . . . . {Inorganic compounds, e.g. aqueous alkalimetalsilicate solutions; Organic derivatives thereof containing no direct silicon-carbon bonds}
18/3814	. . . . . {Polyamines}		
18/3817	. . . . . {Hydroxylated esters of higher fatty acids}	18/3897	. . . . . {containing heteroatoms other than oxygen, halogens, nitrogen, sulfur, phosphorus or silicon}
18/3819	. . . . . {having nitrogen}	18/40	. . . High-molecular-weight compounds {(C08G 18/2805 takes precedence)}
18/3821	. . . . . {Carboxylic acids; Esters thereof with monohydroxyl compounds}	18/4009	. . . . . {Two or more macromolecular compounds not provided for in one single group of groups C08G 18/42 - C08G 18/64}
18/3823	. . . . . {containing -N-C=O groups}	18/4018	. . . . . {Mixtures of compounds of group C08G 18/42 with compounds of group C08G 18/48}
18/3825	. . . . . {containing amide groups (C08G 18/3821 takes precedence)}	18/4027	. . . . . {Mixtures of compounds of group C08G 18/54 with other macromolecular compounds}
18/3827	. . . . . {Bicyclic amide acetals and derivatives thereof}	18/4036	. . . . . {Mixtures of compounds of group C08G 18/56 with other macromolecular compounds}
18/3829	. . . . . {containing ureum groups}	18/4045	. . . . . {Mixtures of compounds of group C08G 18/58 with other macromolecular compounds}
18/3831	. . . . . {containing urethane groups}	18/4054	. . . . . {Mixtures of compounds of group C08G 18/60 with other macromolecular compounds}
18/3834	. . . . . {containing hydrazide or semi-carbazide groups}	18/4063	. . . . . {Mixtures of compounds of group C08G 18/62 with other macromolecular compounds}
18/3836	. . . . . {containing azo groups}	18/4072	. . . . . {Mixtures of compounds of group C08G 18/63 with other macromolecular compounds}
18/3838	. . . . . {containing cyano groups}	18/4081	. . . . . {Mixtures of compounds of group C08G 18/64 with other macromolecular compounds}
18/384	. . . . . {containing nitro groups}	18/409	. . . . . {Dispersions of polymers of C08G in organic compounds having active hydrogen}
18/3842	. . . . . {containing heterocyclic rings having at least one nitrogen atom in the ring}	18/42	. . . . . Polycondensates having carboxylic or carbonic ester groups in the main chain
18/3844	. . . . . {containing one nitrogen atom in the ring}	18/4202	. . . . . {Two or more polyesters of different physical or chemical nature (C08G 18/44 takes precedence)}
18/3846	. . . . . {containing imide groups (C08G 18/3821 takes precedence)}	18/4205	. . . . . {containing cyclic groups}
18/3848	. . . . . {containing two nitrogen atoms in the ring}	18/4208	. . . . . {containing aromatic groups}
18/3851	. . . . . {containing three nitrogen atoms in the ring}	18/4211	. . . . . {derived from aromatic dicarboxylic acids and dialcohols}
18/3853	. . . . . {containing cyanurate and/or isocyanurate groups}	18/4213	. . . . . {from terephthalic acid and dialcohols}
18/3855	. . . . . {having sulfur}	18/4216	. . . . . {from mixtures or combinations of aromatic dicarboxylic acids and aliphatic dicarboxylic acids and dialcohols}
18/3857	. . . . . {having nitrogen in addition to sulfur}	18/4219	. . . . . {from aromatic dicarboxylic acids and dialcohols in combination with polycarboxylic acids and/or polyhydroxy compounds which are at least trifunctional}
18/3859	. . . . . {containing -N-C=S groups}	18/4222	. . . . . {derived from aromatic polyhydroxy compounds and polycarboxylic acids}
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}		

18/4225	. . . . .	{ derived from residues obtained from the manufacture of dimethylterephthalate and from polyhydroxy compounds }	18/4297	. . . . .	{ prepared from polyester forming components containing aliphatic aldehyde condensates or hydrogenation products thereof having at least two hydroxy groups }
18/4227	. . . . .	{ derived from aromatic polycarboxylic acids containing at least two aromatic rings and polyhydroxy compounds }	18/44	. . . . .	Polycarbonates
18/423	. . . . .	{ containing cycloaliphatic groups }	18/46	. . . . .	having heteroatoms other than oxygen
18/4233	. . . . .	{ derived from polymerised higher fatty acids or alcohols }	18/4607	. . . . .	{ having halogens }
18/4236	. . . . .	{ containing only aliphatic groups }	18/4615	. . . . .	{ containing nitrogen }
18/4238	. . . . .	{ derived from dicarboxylic acids and dialcohols }	18/4623	. . . . .	{ containing primary or secondary terminal aminogroups }
18/4241	. . . . .	{ from dicarboxylic acids and dialcohols in combination with polycarboxylic acids and/or polyhydroxy compounds which are at least trifunctional }	18/463	. . . . .	{ containing nitro groups }
18/4244	. . . . .	{ containing oxygen in the form of ether groups }	18/4638	. . . . .	{ containing heterocyclic rings having at least one nitrogen atom in the ring }
18/4247	. . . . .	{ derived from polyols containing at least one ether group and polycarboxylic acids }	18/4646	. . . . .	{ containing one nitrogen atom in the ring }
18/425	. . . . .	{ the polyols containing one or two ether groups }	18/4653	. . . . .	{ containing two nitrogen atoms in the ring }
18/4252	. . . . .	{ derived from polyols containing polyether groups and polycarboxylic acids }	18/4661	. . . . .	{ containing three nitrogen atoms in the ring }
18/4255	. . . . .	{ derived from polyols containing oxyalkylated carbocyclic groups and polycarboxylic acids }	18/4669	. . . . .	{ Addition products of unsaturated polyesters with amino compounds }
18/4258	. . . . .	{ derived from polycarboxylic acids containing at least one ether group and polyols }	18/4676	. . . . .	{ containing sulfur }
18/4261	. . . . .	{ prepared by oxyalkylation of polyesterpolyols }	18/4684	. . . . .	{ containing phosphorus }
18/4263	. . . . .	{ containing carboxylic acid groups }	18/4692	. . . . .	{ containing silicon }
18/4266	. . . . .	{ prepared from hydroxycarboxylic acids and/or lactones }	18/48	. . . . .	Polyethers
18/4269	. . . . .	{ Lactones }	18/4804	. . . . .	{ Two or more polyethers of different physical or chemical nature }
18/4272	. . . . .	{ Privalolactone }	18/4808	. . . . .	{ Mixtures of two or more polyetherdiols }
18/4275	. . . . .	{ Valcrolactone and/or substituted valcrolactone }	18/4812	. . . . .	{ Mixtures of polyetherdiols with polyetherpolyols having at least three hydroxy groups }
18/4277	. . . . .	{ Caprolactone and/or substituted caprolactone }	18/4816	. . . . .	{ mixtures of two or more polyetherpolyols having at least three hydroxy groups }
18/428	. . . . .	{ Lactides }	18/482	. . . . .	{ Mixtures of polyethers containing at least one polyether containing nitrogen }
18/4283	. . . . .	{ Hydroxycarboxylic acid or ester }	18/4825	. . . . .	{ Polyethers containing two hydroxy groups (C08G 18/4833 - C08G 18/5096 take precedence) }
18/4286	. . . . .	{ prepared from a combination of hydroxycarboxylic acids and/or lactones with polycarboxylic acids or ester forming derivatives thereof and polyhydroxy compounds }	18/4829	. . . . .	{ Polyethers containing at least three hydroxy groups (C08G 18/4833 - C08G 18/5096 take precedence) }
18/4288	. . . . .	{ modified by higher fatty oils or their acids or by resin acids }	18/4833	. . . . .	{ Polyethers containing oxyethylene units }
18/4291	. . . . .	{ prepared from polyester forming components containing monoepoxy compounds (C08G 18/4266 takes precedence) }	18/4837	. . . . .	{ and other oxyalkylene units }
18/4294	. . . . .	{ prepared from polyester forming components containing polyepoxy compounds (C08G 18/4266 takes precedence) }	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}	18/546	. . . . . {Oxyalkylated polycondensates of aldehydes}
18/4883	. . . . . {containing cyclic groups having at least one oxygen atom in the ring}	18/548	. . . . . {Polycondensates of aldehydes with ketones}
18/4887	. . . . . {containing carboxylic ester groups derived from carboxylic acids other than acids of higher fatty oils or other than resin acids}	18/56	. . . . . Polyacetals
18/4891	. . . . . {modified with higher fatty oils or their acids or by resin acids}	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}
18/4895	. . . . . {prepared from polyepoxy compounds}	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) }
18/50	. . . . . having heteroatoms other than oxygen	18/582	. . . . . {having halogens}
18/5003	. . . . . {having halogens}	18/584	. . . . . {having nitrogen}
18/5006	. . . . . {having chlorine and/or bromine atoms}	18/585	. . . . . {having sulfur}
18/5009	. . . . . {having chlorine atoms}	18/587	. . . . . {having phosphorus}
18/5012	. . . . . {having bromine atoms}	18/588	. . . . . {having silicon}
18/5015	. . . . . {having fluorine atoms}	18/60	. . . . . Polyamides or polyester-amides
18/5018	. . . . . {having iodine atoms}	18/603	. . . . . {Polyamides}
18/5021	. . . . . {having nitrogen}	18/606	. . . . . {Polyester-amides}
18/5024	. . . . . {containing primary and/or secondary amino groups}	18/61	. . . . . Polysiloxanes
18/5027	. . . . . {directly linked to carbocyclic groups}	18/615	. . . . . {containing carboxylic acid groups}
18/503	. . . . . {being in latent form}	18/62	. . . . . Polymers of compounds having carbon-to-carbon double bonds
18/5033	. . . . . {containing carbocyclic groups (C08G 18/5024 takes precedence) }	18/6204	. . . . . {Polymers of olefins (unsaturated polymers of conjugated dienes C08G 18/69) }
18/5036	. . . . . {containing -N-C=O groups}	18/6208	. . . . . {Hydrogenated polymers of conjugated dienes}
18/5039	. . . . . {containing amide groups}	18/6212	. . . . . {Polymers of alkenylalcohols; Acetals thereof; Oxyalkylation products thereof}
18/5042	. . . . . {containing ureum groups}	18/6216	. . . . . {Polymers of alpha-beta ethylenically unsaturated carboxylic acids or of derivatives thereof}
18/5045	. . . . . {containing urethane groups}	18/622	. . . . . {Polymers of esters of alpha-beta ethylenically unsaturated carboxylic acids}
18/5048	. . . . . {Products of hydrolysis of polyether-urethane prepolymers containing isocyanate groups}	18/6225	. . . . . {Polymers of esters of acrylic or methacrylic acid}
18/5051	. . . . . {containing cyano groups}	18/6229	. . . . . {Polymers of hydroxy groups containing esters of acrylic or methacrylic acid with aliphatic polyalcohols}
18/5054	. . . . . {containing heterocyclic rings having at least one nitrogen atom in the ring}	18/6233	. . . . . {the monomers or polymers being esterified with carboxylic acids or lactones}
18/5057	. . . . . {containing one nitrogen atom in the ring}	18/6237	. . . . . {Polymers of esters containing glycidyl groups of alpha-beta ethylenically unsaturated carboxylic acids; reaction products thereof}
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}		

- 18/6241 {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	18/67	. . . . .	Unsaturated compounds having active hydrogen
18/6603	. . . . .	{with compounds of group C08G 18/32 or polyamines of C08G 18/38 }			NOTE
18/6607	. . . . .	{with compounds of group C08G 18/3203 }			In groups C08G 18/67 - C08G 18/679 , C-Sets are used.
18/6611	. . . . .	{having at least three hydroxy groups}			The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08G .
18/6614	. . . . .	{with compounds of group C08G 18/3225 or C08G 18/3271 and/or polyamines of C08G 18/38 }	18/6705	. . . . .	{Unsaturated polymers not provided for in the groups C08G 18/671 , C08G 18/6795 , C08G 18/68 or C08G 18/69 }
18/6618	. . . . .	{with compounds of group C08G 18/3225 or polyamines of C08G 18/38 }	18/671	. . . . .	{Unsaturated compounds having only one group containing active hydrogen (takes precedence on groups C08G 18/675 - C08G 18/69)}
18/6622	. . . . .	{with compounds of group C08G 18/3271 }	18/6715	. . . . .	{Unsaturated monofunctional alcohols or amines}
18/6625	. . . . .	{with compounds of group C08G 18/34 }	18/672	. . . . .	{Esters of acrylic or alkyl acrylic acid having only one group containing active hydrogen}
18/6629	. . . . .	{with compounds of group C08G 18/36 or hydroxylated esters of higher fatty acids of C08G 18/38 }	18/6725	. . . . .	{containing ester groups other than acrylate or alkylacrylate ester groups}
18/6633	. . . . .	{Compounds of group C08G 18/42 }	18/673	. . . . .	{containing two or more acrylate or alkylacrylate ester groups}
18/6637	. . . . .	{with compounds of group C08G 18/32 or polyamines of C08G 18/38 }	18/6735	. . . . .	{Unsaturated compounds containing the unsaturation at least partially in a non-aromatic carbocyclic ring}
18/664	. . . . .	{with compounds of group C08G 18/3203 }	18/674	. . . . .	{Unsaturated compounds containing the unsaturation at least partially in a cyclic ring having at least one oxygen atom in the ring}
18/6644	. . . . .	{having at least three hydroxy groups}	18/6745	. . . . .	{Acetylenic compounds}
18/6648	. . . . .	{with compounds of group C08G 18/3225 or C08G 18/3271 and/or polyamines of C08G 18/38 }	18/675	. . . . .	{Low-molecular-weight compounds}
18/6651	. . . . .	{with compounds of group C08G 18/3225 or polyamines of C08G 18/38 }	18/6755	. . . . .	{Unsaturated carboxylic acids}
18/6655	. . . . .	{with compounds of group C08G 18/3271 }	18/676	. . . . .	{containing the unsaturation at least partially in a non-aromatic carbocyclic ring}
18/6659	. . . . .	{with compounds of group C08G 18/34 }	18/6765	. . . . .	{containing the unsaturation at least partially in a cyclic ring having at least one oxygen atom in the ring}
18/6662	. . . . .	{with compounds of group C08G 18/36 or hydroxylated esters of higher fatty acids of C08G 18/38 }	18/677	. . . . .	{containing heteroatoms other than oxygen and the nitrogen of primary or secondary amino groups}
18/6666	. . . . .	{Compounds of group C08G 18/48 or C08G 18/52 }	18/6775	. . . . .	{containing halogen}
18/667	. . . . .	{with compounds of group C08G 18/32 or polyamines of C08G 18/38 }	18/678	. . . . .	{containing nitrogen}
18/6674	. . . . .	{with compounds of group C08G 18/3203 }	18/6785	. . . . .	{containing phosphorus}
18/6677	. . . . .	{having at least three hydroxy groups}	18/679	. . . . .	{Acetylenic compounds}
18/6681	. . . . .	{with compounds of group C08G 18/32 or C08G 18/3271 and/or polyamines of C08G 18/38 }	18/6795	. . . . .	{Unsaturated polyethers}
18/6685	. . . . .	{with compounds of group C08G 18/3225 or polyamines of C08G 18/38 }	18/68	. . . . .	Unsaturated polyesters
18/6688	. . . . .	{with compounds of group C08G 18/3271 }	18/683	. . . . .	{containing cyclic groups}
18/6692	. . . . .	{with compounds of group C08G 18/34 }	18/686	. . . . .	{containing cycloaliphatic groups}
18/6696	. . . . .	{with compounds of group C08G 18/36 or hydroxylated esters of higher fatty acids of C08G 18/38 }	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	18/753	. . . . . {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}
18/701	. . . {Compounds forming isocyanates or isothiocyanates <u>in situ</u> (C08G 18/80 takes precedence)}	18/755	. . . . . {and at least one isocyanate or isothiocyanate group linked to a secondary carbon atom of the cycloaliphatic ring, e.g. isophorone diisocyanate}
18/702	. . . {Isocyanates or isothiocyanates containing compounds having carbon-to-carbon double bonds; Telomers thereof}	18/756	. . . . . {and at least one isocyanate or isothiocyanate group linked to a tertiary carbon atom of the cycloaliphatic ring}
18/703	. . . {Isocyanates or isothiocyanates transformed in a latent form by physical means}	18/757	. . . . . {containing at least two isocyanate or isothiocyanate groups linked to the cycloaliphatic ring by means of an aliphatic group}
18/705	. . . . {Dispersions of isocyanates or isothiocyanates in a liquid medium (C08G 18/702 takes precedence)}	18/758	. . . . . {containing two or more cycloaliphatic rings}
18/706	. . . . . {the liquid medium being water}	18/76	. . . . . aromatic
18/707	. . . . . {the liquid medium being a compound containing active hydrogen not comprising water}	18/7607	. . . . . {Compounds of C08G 18/7614 and of C08G 18/7657}
18/708	. . . {Isocyanates or isothiocyanates containing non-reactive high-molecular-weight compounds}	18/7614	. . . . . {containing only one aromatic ring}
18/71	. . . Monoisocyanates or monoisothiocyanates	18/7621	. . . . . {being toluene diisocyanate including isomer mixtures}
18/711	. . . . {containing oxygen in addition to isocyanate oxygen}	18/7628	. . . . . {containing at least one isocyanate or isothiocyanate group linked to the aromatic ring by means of an aliphatic group}
18/712	. . . . {containing halogens}	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}
18/714	. . . . {containing nitrogen in addition to isocyanate or isothiocyanate nitrogen}	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}
18/715	. . . . {containing sulfur in addition to isothiocyanate sulfur}	18/765	. . . . . {alpha, alpha, alpha', alpha', -tetraalkylxylylene diisocyanate or homologues substituted on the aromatic ring}
18/717	. . . . {containing phosphorus}	18/7657	. . . . . {containing two or more aromatic rings}
18/718	. . . . {containing silicon}	18/7664	. . . . . {containing alkylene polyphenyl groups}
18/72	. . . Polyisocyanates or polyisothiocyanates	18/7671	. . . . . {containing only one alkylene bisphenyl group}
18/721	. . . . {Two or more polyisocyanates not provided for in one single group (C08G 18/73 - C08G 18/80)}	18/7678	. . . . . {containing condensed aromatic rings}
18/722	. . . . . {Combination of two or more aliphatic and/or cycloaliphatic polyisocyanates}	18/7685	. . . . . {containing two or more non-condensed aromatic rings directly linked to each other}
18/724	. . . . . {Combination of aromatic polyisocyanates with (cyclo)aliphatic polyisocyanates}	18/7692	. . . . . {containing at least one isocyanate or isothiocyanate group linked to an aromatic ring by means of an aliphatic group}
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}		

18/77	. . . . .	having heteroatoms in addition to the isocyanate or isothiocyanate nitrogen and oxygen or sulfur	18/8025	. . . . .	{Masked aliphatic or cycloaliphatic polyisocyanates}
18/771	. . . . .	{oxygen}	18/8029	. . . . .	{Masked aromatic polyisocyanates}
18/773	. . . . .	{halogens}	18/8032	. . . . .	{Masked aliphatic or cycloaliphatic polyisocyanates not provided for in one single of the groups C08G 18/8016 and C08G 18/8025 }
18/775	. . . . .	{sulfur}	18/8035	. . . . .	{Masked aromatic polyisocyanates not provided for in one single of the groups C08G 18/8019 and C08G 18/8029 }
18/776	. . . . .	{phosphorus}	18/8038	. . . . .	{with compounds of C08G 18/3225 }
18/778	. . . . .	{silicon}	18/8041	. . . . .	{with compounds of C08G 18/3271 }
18/78	. . . . .	Nitrogen {(C08G 18/775, C08G 18/776 take precedence)}	18/8045	. . . . .	{with water}
18/7806	. . . . .	{containing -N-C=O groups}	18/8048	. . . . .	{with compounds of C08G 18/34 }
18/7812	. . . . .	{containing amide groups}	18/8051	. . . . .	{with compounds of C08G 18/36 }
18/7818	. . . . .	{containing ureum or ureum derivative groups}	18/8054	. . . . .	{with compounds of C08G 18/38 }
18/7825	. . . . .	{containing ureum groups}	18/8058	. . . . .	{with compounds of C08G 18/3819 }
18/7831	. . . . .	{containing biuret groups}	18/8061	. . . . .	{masked with compounds having only one group containing active hydrogen}
18/7837	. . . . .	{containing allophanate groups}	18/8064	. . . . .	{with monohydroxy compounds}
18/7843	. . . . .	{containing urethane groups}	18/8067	. . . . .	{phenolic compounds}
18/785	. . . . .	{containing tertiary amino groups}	18/807	. . . . .	{with nitrogen containing compounds}
18/7856	. . . . .	{containing azo groups}	18/8074	. . . . .	{Lactams}
18/7862	. . . . .	{containing cyano groups or aldimine or ketimine groups}	18/8077	. . . . .	{Oximes}
18/7868	. . . . .	{containing nitro groups}	18/808	. . . . .	{Monoamines}
18/7875	. . . . .	{containing heterocyclic rings having at least one nitrogen atom in the ring}	18/8083	. . . . .	{with compounds containing at least one heteroatom other than oxygen or nitrogen}
18/7881	. . . . .	{having one nitrogen atom in the ring}	18/8087	. . . . .	{containing halogen atoms}
18/7887	. . . . .	{having two nitrogen atoms in the ring}	18/809	. . . . .	{containing silicon}
18/7893	. . . . .	{having three nitrogen atoms in the ring}	18/8093	. . . . .	{Compounds containing active methylene groups}
18/79	. . . . .	characterised by the polyisocyanates used, these having groups formed by oligomerisation of isocyanates or isothiocyanates	18/8096	. . . . .	{with two or more compounds having only one group containing active hydrogen}
18/791	. . . . .	{containing isocyanurate groups}	18/81	. . . . .	Unsaturated isocyanates or isothiocyanates
18/792	. . . . .	{formed by oligomerisation of aliphatic and/or cycloaliphatic isocyanates or isothiocyanates}	NOTE		
18/794	. . . . .	{formed by oligomerisation of aromatic isocyanates or isothiocyanates}	In this group, C-Sets are used.		
18/795	. . . . .	{formed by oligomerisation of mixtures of aliphatic and/or cycloaliphatic isocyanates or isothiocyanates with aromatic isocyanates or isothiocyanates}	The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08G .		
18/797	. . . . .	{containing carbodiimide and/or uretone-imine groups}	18/8108	. . . . .	{having only one isocyanate or isothiocyanate group}
18/798	. . . . .	{containing urethdione groups}	18/8116	. . . . .	{esters of acrylic or alkylacrylic acid having only one isocyanate or isothiocyanate group}
18/80	. . . . .	Masked polyisocyanates	18/8125	. . . . .	{having two or more isocyanate or isothiocyanate groups}
18/8003	. . . . .	{masked with compounds having at least two groups containing active hydrogen}	18/8133	. . . . .	{having acetylenic groups}
18/8006	. . . . .	{with compounds of C08G 18/32 }	18/8141	. . . . .	{masked}
18/8009	. . . . .	{with compounds of C08G 18/3203 }	18/815	. . . . .	{Polyisocyanates or polyisothiocyanates masked with unsaturated compounds having active hydrogen}
18/8012	. . . . .	{with diols}	18/8158	. . . . .	{with unsaturated compounds having only one group containing active hydrogen}
18/8016	. . . . .	{Masked aliphatic or cycloaliphatic polyisocyanates}	18/8166	. . . . .	{with unsaturated monofunctional alcohols or amines}
18/8019	. . . . .	{Masked aromatic polyisocyanates}			
18/8022	. . . . .	{with polyols having at least three hydroxy groups}			

18/8175	. . . . . {with esters of acrylic or alkylacrylic acid having only one group containing active hydrogen}	59/1422	. . . {containing phosphorus}
18/8183	. . . . . {with unsaturated compounds containing the unsaturation at least partially in a cyclic ring having at least one oxygen atom in the ring}	59/1427	. . . {with water, e.g. hydrolysis}
18/8191	. . . . . {with acetylenic compounds having active hydrogen}	59/1433	. . {with organic low-molecular-weight compounds}
18/82	. . Post-polymerisation treatment	59/1438	. . . {containing oxygen}
18/83	. . Chemically modified polymers	59/1444	. . . . {Monoalcohols}
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)}	59/145	. . . . {Compounds containing one epoxy group}
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)}	59/1455	. . . . {Monocarboxylic acids, anhydrides, halides, or low-molecular-weight esters thereof}
18/833	. . . {by nitrogen containing compounds (by azo compounds C08G 18/85)}	59/1461	. . . . . {Unsaturated monoacids}
18/834	. . . {by compounds containing a thiol group}	59/1466	. . . . . {Acrylic or methacrylic acids}
18/835	. . . . {Unsaturated polymers modified by compounds containing a thiol group}	59/1472	. . . . . {Fatty acids}
18/836	. . . {by phosphorus containing compounds}	59/1477	. . . {containing nitrogen}
18/837	. . . {by silicon containing compounds}	59/1483	. . . {containing sulfur}
18/838	. . . {by compounds containing heteroatoms other than oxygen, halogens, nitrogen, sulfur, phosphorus or silicon}	59/1488	. . . {containing phosphorus}
18/84	. . . by aldehydes	59/1494	. . {followed by a further chemical treatment thereof}
18/85	. . . by azo compounds	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}
18/86	. . . by peroxides	59/182	. . {using pre-adducts of epoxy compounds with curing agents}
18/87	. . . by sulfur	59/184	. . . {with amines}
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	59/186	. . . {with acids}
59/02	. Polycondensates containing more than one epoxy group per molecule	59/188	. . {using encapsulated compounds}
59/022	. . {characterised by the preparation process or apparatus used}	59/20	. . characterised by the epoxy compounds used
59/025	. . {characterised by the purification methods used}		NOTE
59/027	. . {obtained by epoxidation of unsaturated precursor, e.g. polymer or monomer}		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 .
59/04	. . of polyhydroxy compounds with epihalohydrins or precursors thereof	59/22	. . . Di-epoxy compounds
59/06	. . . of polyhydric phenols	59/223	. . . . {together with monoepoxy compounds}
59/063	. . . . {with epihalohydrins}	59/226	. . . . {Mixtures of di-epoxy compounds}
59/066	. . . . {with chain extension or advancing agents}	59/24	. . . . carbocyclic
59/08	. . . . from phenol-aldehyde condensates	59/245	. . . . . {aromatic}
59/10	. . of polyamines with epihalohydrins or precursors thereof	59/26	. . . . heterocyclic
59/12	. . of polycarboxylic acids with epihalohydrins or precursors thereof	59/28	. . . . containing acyclic nitrogen atoms
59/14	. Polycondensates modified by chemical after-treatment	59/30	. . . . containing atoms other than carbon, hydrogen, oxygen and nitrogen
59/1405	. . {with inorganic compounds}	59/302	. . . . . {containing sulfur}
59/1411	. . . {containing sulfur}	59/304	. . . . . {containing phosphorus}
59/1416	. . . . {Hydrogen sulfide}	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	. . . . {Heterocyclic 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 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 . . 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. phenolphthalein}
- 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**
- 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](#).
 - 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.
- 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
- 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](#))

- 75/0281 Recovery or purification
- 75/0286 . . . Chemical after-treatment
- 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](#))
- 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](#))
- 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 Manufacture of cellular products**
- 2110/00 Foam properties**
- 2110/0008 . flexible
- 2110/0016 . semi-rigid
- 2110/0025 . rigid
- 2110/0033 . having integral skins
- 2110/0041 . having specified density
- 2110/005 . . < 50kg/m³
- 2110/0058 . . ≥50 and <150kg/m³
- 2110/0066 . . ≥ 150kg/m³
- 2110/0075 . prepared with an isocyanate index of 60 or lower
- 2110/0083 . prepared using water as the sole blowing agent
- 2110/0091 . Aerogels; Xerogels
- 2115/00 Oligomerisation**
- 2115/02 . to isocyanurate groups
- 2115/06 . 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. 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**
- 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-dieters
- 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. perfluoropolyethers
- 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