

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		
2/18	. Copolymerisation of aldehydes or ketones		
2/20	. . with other aldehydes or ketones	6/00	Condensation polymers of aldehydes or ketones only
2/22	. . with epoxy compounds		
2/24	. . with acetals	6/02	. of aldehydes with ketones

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	12/266	. . . . {one being melamine}
8/04	. of aldehydes	12/28	. . . with substituted diazines, diazoles or triazoles
8/06	. . of furfural	12/30	. . . with substituted triazines
8/08	. . of formaldehyde, e.g. of formaldehyde formed <u>in situ</u>	12/32	. . . . Melamines
8/10	. . . with phenol	12/34	. . . and acyclic or carbocyclic compounds
8/12	. . . with monohydric phenols having only one hydrocarbon substituent ortho on para to the OH group, e.g. p-tert.-butyl phenol	12/36	. . . . Ureas; Thioureas
8/14	. . . with halogenated phenols	12/38	. . . . and melamines
8/16	. . . with amino- or nitrophenols	12/40	. . Chemically modified polycondensates
8/18	. . . with phenols substituted by carboxylic or sulfonic acid groups	12/42	. . . by etherifying
8/20	. . . with polyhydric phenols	12/421	. . . . {of polycondensates based on acyclic or carbocyclic compounds}
8/22	. . . . Resorcinol	12/422	. . . . . {based on urea or thiourea}
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	12/424	. . . . {of polycondensates based on heterocyclic compounds}
8/26	. from mixtures of aldehydes and ketones	12/425	. . . . . {based on triazines}
8/28	. Chemically modified polycondensates	12/427	. . . . . {Melamine}
8/30	. . by unsaturated compounds, e.g. terpenes	12/428	. . . . {of polycondensates based on heterocyclic and acyclic or carbocyclic compounds}
8/32	. . by organic acids or derivatives thereof, e.g. fatty oils	12/44	. . . by esterifying
8/34	. . by natural resins or resin acids, e.g. rosin	12/46	. Block or graft polymers prepared by polycondensation of aldehydes or ketones on to macromolecular compounds
8/36	. . by etherifying	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
8/38	. Block or graft polymers prepared by polycondensation of aldehydes or ketones onto macromolecular compounds	14/02	. of aldehydes
10/00	Condensation polymers of aldehydes or ketones with aromatic hydrocarbons or halogenated aromatic hydrocarbons only	14/04	. . with phenols
10/02	. of aldehydes	14/06	. . . and monomers containing hydrogen attached to nitrogen
10/04	. . Chemically-modified polycondensates	14/08	. . . . Ureas; Thioureas
10/06	. Block or graft polymers prepared by polycondensation of aldehydes or ketones onto macromolecular compounds	14/10	. . . . Melamines
12/00	Condensation polymers of aldehydes or ketones with only compounds containing hydrogen attached to nitrogen (aminophenols C08G 8/16)	14/12	. . . Chemically modified polycondensates
12/02	. of aldehydes	14/14	. Block or graft polymers prepared by polycondensation of aldehydes or ketones on to macromolecular compounds
12/04	. . with acyclic or carbocyclic compounds	16/00	Condensation polymers of aldehydes or ketones with monomers not provided for in the groups C08G 4/00 - C08G 14/00 (with polynitriles C08G 69/38)
12/043	. . . {with at least two compounds covered by more than one of the groups C08G 12/06 - C08G 12/24 }	16/02	. of aldehydes
12/046	. . . . {one being urea or thiourea}	16/0206	. . {with inorganic compounds}
12/06	. . . Amines	16/0212	. . {with acyclic or carbocyclic organic compounds}
12/08	. . . . aromatic	16/0218	. . . {containing atoms other than carbon and hydrogen}
12/10	. . . with acyclic compounds having the moiety $X=C(=N<)_2$ in which X is O, S or —N	16/0225	. . . . {containing oxygen}
12/12	. . . . Ureas; Thioureas	16/0231	. . . . {containing nitrogen}
12/14	. . . . Dicyandiamides; Dicyandiamidines; Guanidines; Biguanidines; Biuret; Semicarbazides	16/0237	. . . . {containing sulfur}
12/16	. . . . . Dicyandiamides	16/0243	. . . . {containing phosphorus}
12/18	. . . with cyanamide	16/025	. . {with heterocyclic organic compounds}
12/20	. . . with urethanes or thiourethanes	16/0256	. . . {containing oxygen in the ring}
12/22	. . . with carboxylic acid amides (reaction of polyamides with aldehydes C08G 69/50)	16/0262	. . . . {Furfuryl alcohol}
12/24	. . . with sulfonic acid amides	16/0268	. . . {containing nitrogen in the ring}
12/26	. . with heterocyclic compounds	16/0275	. . . {containing sulfur in the ring}
		16/0281	. . . {containing phosphorus in the ring}
		16/0287	. . {with organometallic or metal-containing organic compounds}
		16/0293	. . {with natural products, oils, bitumens, residues}
		16/04	. . Chemically modified polycondensates

- 16/06 . Block or graft polymers prepared by polycondensation of aldehydes or ketones on to macromolecular compounds
- 18/00 Polymeric products of isocyanates or isothiocyanates**
- 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 sulfurdioxide}
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}	18/3897	. . . . .	{containing heteroatoms other than oxygen, halogens, nitrogen, sulfur, phosphorus or silicon}
18/3817	. . . . .	{Hydroxylated esters of higher fatty acids}	18/40	. . .	High-molecular-weight compounds {(C08G 18/2805 takes precedence)}
18/3819	. . . . .	{having nitrogen}	18/4009	. . . . .	{Two or more macromolecular compounds not provided for in one single group of groups C08G 18/42 - C08G 18/64}
18/3821	. . . . .	{Carboxylic acids; Esters thereof with monohydroxyl compounds}	18/4018	. . . . .	{Mixtures of compounds of group C08G 18/42 with compounds of group C08G 18/48}
18/3823	. . . . .	{containing -N-C=O groups}	18/4027	. . . . .	{Mixtures of compounds of group C08G 18/54 with other macromolecular compounds}
18/3825	. . . . .	{containing amide groups (C08G 18/3821 takes precedence)}	18/4036	. . . . .	{Mixtures of compounds of group C08G 18/56 with other macromolecular compounds}
18/3827	. . . . .	{Bicyclic amide acetals and derivatives thereof}	18/4045	. . . . .	{Mixtures of compounds of group C08G 18/58 with other macromolecular compounds}
18/3829	. . . . .	{containing ureum groups}	18/4054	. . . . .	{Mixtures of compounds of group C08G 18/60 with other macromolecular compounds}
18/3831	. . . . .	{containing urethane groups}	18/4063	. . . . .	{Mixtures of compounds of group C08G 18/62 with other macromolecular compounds}
18/3834	. . . . .	{containing hydrazide or semi-carbazide groups}	18/4072	. . . . .	{Mixtures of compounds of group C08G 18/63 with other macromolecular compounds}
18/3836	. . . . .	{containing azo groups}	18/4081	. . . . .	{Mixtures of compounds of group C08G 18/64 with other macromolecular compounds}
18/3838	. . . . .	{containing cyano groups}	18/409	. . . . .	{Dispersions of polymers of C08G in organic compounds having active hydrogen}
18/384	. . . . .	{containing nitro groups}	18/42	. . . . .	Polycondensates having carboxylic or carbonic ester groups in the main chain
18/3842	. . . . .	{containing heterocyclic rings having at least one nitrogen atom in the ring}	18/4202	. . . . .	{Two or more polyesters of different physical or chemical nature (C08G 18/44 takes precedence)}
18/3844	. . . . .	{containing one nitrogen atom in the ring}	18/4205	. . . . .	{containing cyclic groups}
18/3846	. . . . .	{containing imide groups (C08G 18/3821 takes precedence)}	18/4208	. . . . .	{containing aromatic groups}
18/3848	. . . . .	{containing two nitrogen atoms in the ring}	18/4211	. . . . .	{derived from aromatic dicarboxylic acids and dialcohols}
18/3851	. . . . .	{containing three nitrogen atoms in the ring}	18/4213	. . . . .	{from terephthalic acid and dialcohols}
18/3853	. . . . .	{containing cyanurate and/or isocyanurate groups}	18/4216	. . . . .	{from mixtures or combinations of aromatic dicarboxylic acids and aliphatic dicarboxylic acids and dialcohols}
18/3855	. . . . .	{having sulfur}	18/4219	. . . . .	{from aromatic dicarboxylic acids and dialcohols in combination with polycarboxylic acids and/or polyhydroxy compounds which are at least trifunctional}
18/3857	. . . . .	{having nitrogen in addition to sulfur}	18/4222	. . . . .	{derived from aromatic polyhydroxy compounds and polycarboxylic acids}
18/3859	. . . . .	{containing -N-C=S groups}			
18/3861	. . . . .	{containing sulfonamide and/or sulfonylhydrazide groups}			
18/3863	. . . . .	{containing groups having sulfur atoms between two carbon atoms, the sulfur atoms being directly linked to carbon atoms or other sulfur atoms}			
18/3865	. . . . .	{containing groups having one sulfur atom between two carbon atoms}			
18/3868	. . . . .	{the sulfur atom belonging to a sulfide group}			
18/387	. . . . .	{in addition to a perfluoroalkyl group}			
18/3872	. . . . .	{the sulfur atom belonging to a sulfoxide or sulfone group}			
18/3874	. . . . .	{containing heterocyclic rings having at least one sulfur atom in the ring}			
18/3876	. . . . .	{containing mercapto groups}			
18/3878	. . . . .	{having phosphorus}			
18/388	. . . . .	{having phosphorus bound to carbon and/or to hydrogen}			
18/3882	. . . . .	{having phosphorus bound to oxygen only}			
18/3885	. . . . .	{Phosphate compounds}			
18/3887	. . . . .	{Phosphite compounds}			
18/3889	. . . . .	{having nitrogen in addition to phosphorus}			

18/4225	. . . . .	{ 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 silicon 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}
- 18/8183 {with unsaturated compounds containing the unsaturation at least partially in a cyclic ring having at least one oxygen atom in the ring}
- 18/8191 {with acetylenic compounds having active hydrogen}
- 18/82 . . Post-polymerisation treatment
- 18/83 . . Chemically modified polymers
- 18/831 . . . {by oxygen-containing compounds inclusive of carbonic acid halogenides, carboxylic acid halogenides and epoxy halides (by aldehydes [C08G 18/84](#), by peroxides [C08G 18/86](#))}
- 18/832 {by water acting as hydrolizing agent (reaction of isocyanates with water [C08G 18/302](#); reaction of isocyanate prepolymers with water [C08G 18/10](#) + [C08G 18/302](#))}
- 18/833 . . . {by nitrogen containing compounds (by azo compounds [C08G 18/85](#))}
- 18/834 . . . {by compounds containing a thiol group}
- 18/835 {Unsaturated polymers modified by compounds containing a thiol group}
- 18/836 . . . {by phosphorus containing compounds}
- 18/837 . . . {by silicon containing compounds}
- 18/838 . . . {by compounds containing heteroatoms other than oxygen, halogens, nitrogen, sulfur, phosphorus or silicon}
- 18/84 . . . by aldehydes
- 18/85 . . . by azo compounds
- 18/86 . . . by peroxides
- 18/87 . . . by sulfur
- 59/00 Polycondensates containing more than one epoxy group per molecule (low-molecular-weight polyepoxy compounds [C07](#)); Macromolecules obtained by polymerising compounds containing more than one epoxy group per molecule using curing agents or catalysts which react with the epoxy groups**
- 59/02 . Polycondensates containing more than one epoxy group per molecule
- 59/022 . . {characterised by the preparation process or apparatus used}
- 59/025 . . {characterised by the purification methods used}
- 59/027 . . {obtained by epoxidation of unsaturated precursor, e.g. polymer or monomer}
- 59/04 . . of polyhydroxy compounds with epihalohydrins or precursors thereof
- 59/06 . . . of polyhydric phenols
- 59/063 {with epihalohydrins}
- 59/066 {with chain extension or advancing agents}
- 59/08 from phenol-aldehyde condensates
- 59/10 . . of polyamines with epihalohydrins or precursors thereof
- 59/12 . . of polycarboxylic acids with epihalohydrins or precursors thereof
- 59/14 . Polycondensates modified by chemical after-treatment
- 59/1405 . . {with inorganic compounds}
- 59/1411 . . . {containing sulfur}
- 59/1416 {Hydrogen sulfide}
- 59/1422 . . . {containing phosphorus}
- 59/1427 . . . {with water, e.g. hydrolysis}
- 59/1433 . . {with organic low-molecular-weight compounds}
- 59/1438 . . . {containing oxygen}
- 59/1444 {Monoalcohols}
- 59/145 {Compounds containing one epoxy group}
- 59/1455 {Monocarboxylic acids, anhydrides, halides, or low-molecular-weight esters thereof}
- 59/1461 {Unsaturated monoacids}
- 59/1466 {Acrylic or methacrylic acids}
- 59/1472 {Fatty acids}
- 59/1477 {containing nitrogen}
- 59/1483 . . . {containing sulfur}
- 59/1488 . . . {containing phosphorus}
- 59/1494 . . {followed by a further chemical treatment thereof}
- 59/18 . Macromolecules obtained by polymerising compounds containing more than one epoxy group per molecule using curing agents or catalysts which react with the epoxy groups {; e.g. general methods of curing}
- 59/182 . . {using pre-adducts of epoxy compounds with curing agents}
- 59/184 . . . {with amines}
- 59/186 . . . {with acids}
- 59/188 . . {using encapsulated compounds}
- 59/20 . . characterised by the epoxy compounds used
- NOTE**
- Preparation and curing of epoxy polycondensates, in which the epoxy polycondensate is not exclusively low-molecular-weight compound and in which the method of curing is not important, are classified only in groups [C08G 59/02](#) - [C08G 59/12](#).
- 59/22 . . . Di-epoxy compounds
- 59/223 {together with monoepoxy compounds}
- 59/226 {Mixtures of di-epoxy compounds}
- 59/24 carbocyclic
- 59/245 {aromatic}
- 59/26 heterocyclic
- 59/28 containing acyclic nitrogen atoms
- 59/30 containing atoms other than carbon, hydrogen, oxygen and nitrogen
- 59/302 {containing sulfur}
- 59/304 {containing phosphorus}
- 59/306 {containing silicon}
- 59/308 {containing halogen atoms}
- 59/32 . . . Epoxy compounds containing three or more epoxy groups
- 59/3209 {obtained by polymerisation of unsaturated mono-epoxy compounds}
- 59/3218 {Carbocyclic compounds}
- 59/3227 {Compounds containing acyclic nitrogen atoms}
- 59/3236 {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}	59/504	. . . . . {containing an atom other than nitrogen belonging to the amine group, carbon and hydrogen}
59/329	. . . . . {containing halogen atoms}	59/5046	. . . . . {heterocyclic}
59/34	. . . . . obtained by epoxidation of an unsaturated polymer	59/5053	. . . . . {containing only nitrogen as a heteroatom}
59/36	. . . . . together with mono-epoxy compounds	59/506	. . . . . {having one nitrogen atom in the ring}
59/38	. . . . . together with di-epoxy compounds	59/5066	. . . . . {Aziridines or their derivatives}
59/40	. . . characterised by the curing agents used	59/5073	. . . . . {having two nitrogen atoms in the ring}
59/4007	. . . {Curing agents not provided for by the groups C08G 59/42 - C08G 59/66 }	59/508	. . . . . {having three nitrogen atoms in the ring}
59/4014	. . . . . {Nitrogen containing compounds}	59/5086	. . . . . {Triazines; Melamines; Guanamines}
59/4021	. . . . . {Ureas; Thioureas; Guanidines; Dicyandiamides}	59/5093	. . . . . {Complexes of amines}
59/4028	. . . . . {Isocyanates; Thioisocyanates}	59/52	. . . . . Amino carboxylic acids
59/4035	. . . . . {Hydrazines; Hydrazides}	59/54	. . . . . Amino amides>
59/4042	. . . . . {Imines; Imides}	59/56	. . . . . together with other curing agents
59/405	. . . . . {Oximes}	59/58	. . . . . with polycarboxylic acids or with anhydrides, halides, or low-molecular-weight esters thereof
59/4057	. . . . . {Carbamates}	59/60	. . . . . with amides
59/4064	. . . . . {sulfur containing compounds (C08G 59/4021 , C08G 59/4028 take precedence)}	59/62	. . . Alcohols or phenols
59/4071	. . . . . {phosphorus containing compounds}	59/621	. . . . . {Phenols}
59/4078	. . . . . {boron containing compounds}	59/623	. . . . . {Aminophenols}
59/4085	. . . . . {silicon containing compounds}	59/625	. . . . . {Hydroxyacids}
59/4092	. . . . . {titanium containing compounds}	59/626	. . . . . {Lactones}
59/42	. . . Polycarboxylic acids; Anhydrides, halides or low molecular weight esters thereof	59/628	. . . . . {Phenolcarboxylic acids}
59/4207	. . . . . {aliphatic}	59/64	. . . . . Amino alcohols
59/4215	. . . . . {cycloaliphatic}	59/66	. . . Mercaptans
59/4223	. . . . . {aromatic}	59/68	. . . characterised by the catalysts used
59/423	. . . . . {containing an atom other than oxygen belonging to a functional groups to C08G 59/42 , carbon and hydrogen}	59/681	. . . {Metal alcoholates, phenolates or carboxylates}
59/4238	. . . . . {heterocyclic}	59/682	. . . . . {Alcoholates}
59/4246	. . . . . {polymers with carboxylic terminal groups}	59/683	. . . . . {Phenolates}
59/4253	. . . . . {Rubbers}	59/685	. . . . . {Carboxylates}
59/4261	. . . . . {Macromolecular compounds obtained by reactions involving only unsaturated carbon-to-carbon bindings (C08G 59/4253 takes precedence)}	59/686	. . . {containing nitrogen}
59/4269	. . . . . {Macromolecular compounds obtained by reactions other than those involving unsaturated carbon-to-carbon bindings (C08G 59/4253 takes precedence)}	59/687	. . . {containing sulfur}
59/4276	. . . . . {Polyesters}	59/688	. . . {containing phosphorus}
59/4284	. . . . . {together with other curing agents}	59/70	. . . Chelates
59/4292	. . . . . {together with monocarboxylic acids}	59/72	. . . Complexes of boron halides
59/44	. . . Amides	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)
59/442	. . . . . {Thioamides}		NOTE
59/444	. . . . . {Sulfonamides}		In this group, it is desirable to add the indexing codes C08G 2261/00 - C08G 2261/964
59/446	. . . . . {Phosphoramides}	61/02	. Macromolecular compounds containing only carbon atoms in the main chain of the macromolecule, e.g. polyxylylenes
59/448	. . . . . {Lactames}	61/025	. . {Polyxylylenes}
59/46	. . . . . together with other curing agents	61/04	. . only aliphatic carbon atoms
59/48	. . . . . with polycarboxylic acids, or with anhydrides, halides or low-molecular-weight esters thereof	61/06	. . . prepared by ring-opening of carbocyclic compounds
59/50	. . . Amines	61/08	. . . . of carbocyclic compounds containing one or more carbon-to-carbon double bonds in the ring
59/5006	. . . . . {aliphatic}	61/10	. . only aromatic carbon atoms, e.g. polyphenylenes
59/5013	. . . . . {containing more than seven carbon atoms, e.g. fatty amines}	61/12	. Macromolecular compounds containing atoms other than carbon in the main chain of the macromolecule
59/502	. . . . . {Polyalkylene polyamines}	61/121	. . {derived from organic halides}
59/5026	. . . . . {cycloaliphatic}	61/122	. . {derived from five- or six-membered heterocyclic compounds, other than imides}
59/5033	. . . . . {aromatic}		

- 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}	65/12	. . . . . containing organo-metallic compounds or metal hydrides
64/10	. . . . containing halogens	65/14	. . . . Unsaturated oxiranes
64/12	. . . . containing nitrogen	65/16	. . . . Cyclic ethers having four or more ring atoms
64/14	. . . containing a chain-terminating or -crosslinking agent	65/18	. . . . . Oxetanes
64/16	. Aliphatic-aromatic or araliphatic polycarbonates	65/20	. . . . . Tetrahydrofuran
64/1608	. . {saturated}	65/22	. . . Cyclic ethers having at least one atom other than carbon and hydrogen outside the ring
64/1616	. . . {containing a chain-terminating or -crosslinking agent}	65/223	. . . . . {containing halogens (epihalohydrins C08G 65/24)}
64/1625	. . . {containing atoms other than carbon, hydrogen or oxygen}	65/226	. . . . . {containing fluorine}
64/1633	. . . . {containing halogens}	65/24	. . . . . Epihalohydrins
64/1641	. . . . {containing nitrogen}	65/26	. . from cyclic ethers and other compounds
64/165	. . . . {containing sulfur}	65/2603	. . . {the other compounds containing oxygen}
64/1658	. . . . {containing phosphorus}	65/2606	. . . . {containing hydroxyl groups}
64/1666	. . . . {containing silicon}	65/2609	. . . . . {containing aliphatic hydroxyl groups}
64/1675	. . . . {containing boron}	65/2612	. . . . . {containing aromatic or arylaliphatic hydroxyl groups}
64/1683	. . . . {containing other elements}	65/2615	. . . . {the other compounds containing carboxylic acid, ester or anhydride groups}
64/1691	. . {unsaturated}	65/2618	. . . {the other compounds containing nitrogen}
64/18	. Block or graft polymers	65/2621	. . . . {containing amine groups}
64/183	. . {containing polyether sequences}	65/2624	. . . . . {containing aliphatic amine groups}
64/186	. . {containing polysiloxane sequences}	65/2627	. . . . . {containing aromatic or arylaliphatic amine groups}
64/20	. General preparatory processes	65/263	. . . . . {containing heterocyclic amine groups}
64/205	. . {characterised by the apparatus used}	65/2633	. . . . {the other compounds containing amide groups}
64/22	. . using carbonyl halides	65/2636	. . . {the other compounds containing sulfur}
64/223	. . . {and cyclic ethers}	65/2639	. . . {the other compounds containing elements other than oxygen, nitrogen or sulfur}
64/226	. . . {and alcohols}	65/2642	. . . {characterised by the catalyst used}
64/24	. . . and phenols	NOTES	
64/26	. . using halocarbonates	1. In this group classification is made according to the metal in the compounds, if any	
64/263	. . . {and cyclic ethers}	2. In this group boron is considered a metal and magnesium as an alkaline earth metal	
64/266	. . . {and alcohols}	65/2645	. . . . {Metals or compounds thereof, e.g. salts}
64/28	. . . and phenols	65/2648	. . . . . {Alkali metals or compounds thereof}
64/30	. . using carbonates	65/2651	. . . . . {Alkaline earth metals or compounds thereof}
64/302	. . . {and cyclic ethers}	65/2654	. . . . . {Aluminium or boron; Compounds thereof}
64/305	. . . {and alcohols}	65/2657	. . . . . {Aluminosilicates; Clays; Zeolites}
64/307	. . . {and phenols}	65/266	. . . . . {Metallic elements not covered by group C08G 65/2648 - C08G 65/2645 , or compounds thereof}
64/32	. . using carbon dioxide	65/2663	. . . . . {Metal cyanide catalysts, i.e. DMC's}
64/323	. . . {and alcohols}	65/2666	. . . . . {Hetero polyacids}
64/326	. . . {and phenols}	65/2669	. . . . {Non-metals or compounds thereof (boron C08G 65/2654)}
64/34	. . . and cyclic ethers	65/2672	. . . . . {Nitrogen or compounds thereof}
64/36	. . using carbon monoxide	65/2675	. . . . . {Phosphorus or compounds thereof}
64/38	. . using other monomers	65/2678	. . . . . {Sulfur or compounds thereof}
64/40	. Post-polymerisation treatment	65/2681	. . . . . {Silicon or compounds thereof (silicates C08G 65/2657)}
64/403	. . {Recovery of the polymer}	65/2684	. . . . . {Halogens or compounds thereof}
64/406	. . {Purifying; Drying}	65/2687	. . . . . {Elements not covered by groups C08G 65/2672 - C08G 65/2684 or compounds thereof}
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}		

- 65/269 {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 . . Pyrroles
- 73/22 . . Polybenzoxazoles
- 73/24 . Copolymers of a fluoronitroso organic compound and another fluoro organic compound, e.g. nitroso rubbers
- 73/26 . . of trifluoronitrosomethane with a fluoro-olefin
- 75/00 Macromolecular compounds obtained by reactions forming a linkage containing sulfur with or without nitrogen, oxygen, or carbon in the main chain of the macromolecule**
- 75/02 . Polythioethers
- 75/0204 . . Polyarylenethioethers
- NOTES**
1. In this group, macromolecular compounds are classified for the inventive aspects which are relevant in any of the following sets of groups:
 - [C08G 75/0209-C08G 75/0245](#);
 - [C08G 75/025-C08G 75/0268](#);
 - [C08G 75/0277-C08G 75/0281](#);
 - [C08G 75/0286-C08G 75/0295](#).
 2. Within each set of groups mentioned in Note (1), the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place.
- 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	2130/00	Compositions of compatibilising agents used in mixtures of high-molecular-weight compounds having active hydrogen with other compounds having active hydrogen
81/021	. . {Block or graft polymers containing only sequences of polymers of C08C or C08F }	2140/00	Compositions for moulding powders
81/022	. . . {containing sequences of polymers of conjugated dienes and of polymers of alkenyl aromatic compounds}	2150/00	Compositions for coatings
81/024	. . {Block or graft polymers containing sequences of polymers of C08C or C08F and of polymers of C08G }	2150/20	. Compositions for powder coatings
81/025	. . . {containing polyether sequences}	2150/50	. Compositions for coatings applied by spraying at least two streams of reaction components
81/027	. . . {containing polyester or polycarbonate sequences}	2150/60	. Compositions for foaming; Foamed or intumescent coatings
81/028	. . . {containing polyamide sequences}	2150/90	. Compositions for anticorrosive coatings
83/00	Macromolecular compounds not provided for in groups C08G 2/00 - C08G 81/00	2170/00	Compositions for adhesives
83/001	. {Macromolecular compounds containing organic and inorganic sequences, e.g. organic polymers grafted onto silica}	2170/20	. Compositions for hot melt adhesives
83/002	. {Dendritic macromolecules}	2170/40	. Compositions for pressure-sensitive adhesives
83/003	. . {Dendrimers}	2170/60	. Compositions for foaming; Foamed or intumescent adhesives
83/004	. . . {After treatment of dendrimers}	2170/80	. Compositions for aqueous adhesives
83/005	. . {Hyperbranched macromolecules}	2170/90	. Compositions for adhesives used in footwear
83/006	. . . {After treatment of hyperbranched macromolecules}	2190/00	Compositions for sealing or packing joints
83/007	. {Polyrotaxanes; Polycatenanes}	2210/00	Compositions for preparing hydrogels
83/008	. {Supramolecular polymers}	2220/00	Compositions for preparing gels other than hydrogels, aerogels and xerogels
85/00	General processes for preparing compounds provided for in this subclass	2230/00	Compositions for preparing biodegradable polymers
85/002	. {Post-polymerisation treatment}	2250/00	Compositions for preparing crystalline polymers
85/004	. {Modification of polymers by chemical after-treatment}	2261/00	Macromolecular compounds obtained by reactions forming a carbon-to-carbon link in the main chain of the macromolecule
85/006	. {Scale prevention in polymerisation reactors}	2261/10	. Definition of the polymer structure
85/008	. {Cleaning reaction vessels using chemicals (mechanical methods B08B 9/08)}	2261/11	. . Homopolymers
2101/00	Foams	2261/12	. . . Copolymers
2101/0008	. {flexible}	2261/122	. . . statistical
2101/0016	. {semi-rigid}	2261/124	. . . alternating
2101/0025	. {rigid}	2261/126	. . . block
2101/0033	. {having integral skins}	2261/128	. . . graft
2101/0041	. {Having specified density}	2261/13	. . Morphological aspects
2101/005	. . {<50kg/m ³ }	2261/131	. . . dendritic
2101/0058	. . {≥50 and <150kg/m ³ }	2261/132	. . . branched or hyperbranched
2101/0066	. . {≥ 150kg/m ³ }	2261/133	. . . Rod-like building block
2101/0075	. {prepared with an isocyanate index of 60 or lower}	2261/1332	. . . . Non-ladder-type, e.g. polyphenylenes, PPVs or polythiophenes
2101/0083	. {prepared using water as the sole blowing agent}	2261/1334	. . . . Step-ladder-type, e.g. polyfluorenes or polycarbazoles
2101/0091	. {Aerogels; Xerogels}	2261/1336	. . . . Ladder-type, e.g. ladder-poly-p-phenylenes
2105/00	Oligomerisation	2261/134	. . . Rod and coil building blocks
2105/02	. to isocyanurate groups	2261/135	. . . Cross-linked structures
2105/06	. to carbodiimide or uretone-imine groups	2261/136	. . . Comb-like structures
2120/00	Compositions for reaction injection moulding processes	2261/14	. . Side-groups
2125/00	Compositions for processes using internal mould release agents	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	2261/3221	. . . .	containing one or more nitrogen atoms as the only heteroatom, e.g. pyrrole, pyridine or triazole
2261/1432	. . . .	containing amide groups	2261/3222	. . . .	containing one or more oxygen atoms as the only heteroatom, e.g. furan
2261/1434	. . . .	containing triarylamine moieties	2261/3223	. . . .	containing one or more sulfur atoms as the only heteroatom, e.g. thiophene
2261/144	. . .	Side-chains containing silicon	2261/3224	. . . .	containing one or more Si atoms as the only heteroatom
2261/145	. . .	Side-chains containing sulfur	2261/3225	. . . .	containing one or more Se atoms as the only heteroatom
2261/1452	. . . .	containing sulfonyl or sulfonate-groups	2261/3226	. . . .	containing one or more Te atoms as the only heteroatom
2261/146	. . .	Side-chains containing halogens	2261/3227	. . . .	containing only one kind of heteroatoms other than N, O, S, Si, Se, Te
2261/147	. . .	Side-chains with other heteroatoms in the side-chain	2261/3228	. . . .	containing nitrogen and oxygen as heteroatoms
2261/148	. . .	Side-chains having aromatic units	2261/3229	. . . .	containing nitrogen and sulfur as heteroatoms
2261/149	. . .	Side-chains having heteroaromatic units	2261/323	. . . .	containing combinations of different heteroatoms other than nitrogen and oxygen or nitrogen and sulfur
2261/15	. . .	conjugated side-chains	2261/324	. . .	condensed
2261/152	. . .	comprising metal complexes	2261/3241	. . . .	containing one or more nitrogen atoms as the only heteroatom, e.g. carbazole
2261/1522	. . . .	of alkali metals or alkaline-earth metals	2261/3242	. . . .	containing one or more oxygen atoms as the only heteroatom, e.g. benzofuran
2261/1523	. . . .	of rare earth metals, i.e. Sc, Y or lanthanides	2261/3243	. . . .	containing one or more sulfur atoms as the only heteroatom, e.g. benzothiophene
2261/1524	. . . .	of Ti, V, Cr, Zr, Nb, Mo, Hf, Ta or W	2261/3244	. . . .	containing only one kind of heteroatoms other than N, O, S
2261/1526	. . . .	of Os, Ir, Pt, Ru, Rh or Pd	2261/3245	. . . .	containing nitrogen and oxygen as heteroatoms
2261/1528	. . . .	of Al	2261/3246	. . . .	containing nitrogen and sulfur as heteroatoms
2261/1529	. . . .	of Fe, Co or Ni	2261/3247	. . . .	containing combinations of different heteroatoms other than nitrogen and oxygen or nitrogen and sulfur
2261/16	. .	End groups	2261/33	. .	incorporating non-aromatic structural elements in the main chain
2261/162	. . .	comprising metal complexes	2261/332	. . .	containing only carbon atoms
2261/1621	. . . .	of alkali metals or alkaline-earth metals	2261/3321	. . . .	derived from cyclopentene
2261/1622	. . . .	of rare earth metals, i.e. Sc, Y or lanthanides	2261/3322	. . . .	derived from cyclooctene
2261/1623	. . . .	of Ti, V, Cr, Zr, Nb, Mo, Hf, Ta or W	2261/3323	. . . .	derived from other monocyclic systems
2261/1624	. . . .	of Os, Ir, Pt, Ru, Rh or Pd	2261/3324	. . . .	derived from norbornene
2261/1625	. . . .	of Al	2261/3325	. . . .	derived from other polycyclic systems
2261/1626	. . . .	of Fe, Co or Ni	2261/3326	. . . .	alkane-based
2261/164	. . .	comprising organic end groups	2261/3327	. . . .	alkene-based
2261/1642	. . . .	comprising reactive double bonds or triple bonds	2261/3328	. . . .	alkyne-based
2261/1644	. . . .	comprising other functional groups, e.g. OH groups, NH groups, COOH groups or boronic acid	2261/334	. . .	containing heteroatoms
2261/1646	. . . .	comprising aromatic or heteroaromatic end groups	2261/3342	. . . .	derived from cycloolefins containing heteroatoms
2261/17	. .	Dendritic core	2261/34	. .	incorporating partially-aromatic structural elements in the main chain
2261/18	. .	conjugated	2261/342	. . .	containing only carbon atoms
2261/19	. .	partially conjugated	2261/3422	. . . .	conjugated, e.g. PPV-type
2261/20	. .	non-conjugated	2261/3424	. . . .	non-conjugated, e.g. paracyclophanes or xylenes
2261/21	. .	Stereochemical aspects	2261/344	. . .	containing heteroatoms
2261/212	. . .	Regioregularity	2261/3442	. . . .	Polyetherketones
2261/214	. . .	Chirality	2261/3444	. . . .	Polyethersulfones
2261/216	. . .	Cis-trans isomerism	2261/35	. .	Macromonomers, i.e. comprising more than 10 repeat units
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			

2261/352	. . . containing only carbon atoms	2261/65	. . Electrical insulator
2261/354	. . . containing hetero atoms	2261/70	. Post-treatment
2261/36	. . Oligomers, i.e. comprising up to 10 repeat units	2261/71	. . Purification
2261/362	. . . containing only carbon atoms	2261/712	. . . Catalyst removal
2261/364	. . . containing hetero atoms	2261/72	. . Derivatisation
2261/37	. . Metal complexes	2261/722	. . . Sulfonation
2261/371	. . . of alkali metals and alkaline-earth metals	2261/724	. . . Hydrogenation
2261/372	. . . of rare earth metals, i.e. Sc, Y, lanthanides	2261/726	. . . Silylation
2261/373	. . . of Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W	2261/728	. . . Acylation
2261/374	. . . of Os, Ir, Pt, Ru, Rh, Pd	2261/73	. . Depolymerisation
2261/375	. . . of Al	2261/74	. . Further polymerisation of the obtained polymers, e.g. living polymerisation to obtain block-copolymers
2261/376	. . . of Fe, Co, Ni	2261/75	. . Reaction of polymer building blocks for the formation of block-copolymers
2261/40	. Polymerisation processes	2261/76	. . crosslinking
2261/41	. . Organometallic coupling reactions	2261/77	. . grafting
2261/411	. . . Suzuki reactions	2261/78	. . Complexation
2261/412	. . . Yamamoto reactions	2261/79	. . doping
2261/413	. . . Heck reactions	2261/792	. . . with low-molecular weight dopants
2261/414	. . . Stille reactions	2261/794	. . . with polymeric dopants
2261/415	. . . Sonogashira / Hagihara reactions	2261/80	. . Functional group cleavage, e.g. removal of side-chains or protective groups
2261/416	. . . zinc-based, e.g. Rieke reactions	2261/90	. Applications
2261/417	. . . magnesium-based, e.g. Grignard or McCullough reactions	2261/91	. . Photovoltaic applications
2261/418	. . . Ring opening metathesis polymerisation [ROMP]	2261/92	. . TFT applications
2261/419	. . . Acyclic diene metathesis [ADMET]	2261/93	. . Applications in textiles, fabrics and yarns
2261/42	. . Non-organometallic coupling reactions, e.g. Gilch-type or Wessling-Zimmermann type	2261/94	. . Applications in sensors, e.g. biosensors
2261/43	. . Chemical oxidative coupling reactions, e.g. with FeCl ₃	2261/95	. . Use in organic luminescent diodes
2261/44	. . Electrochemical polymerisation, i.e. oxidative or reductive coupling	2261/96	. . coating of particles
2261/45	. . Friedel-Crafts-type	2261/962	. . . coating of organic particles
2261/46	. . Diels-Alder reactions	2261/964	. . . coating of inorganic particles
2261/50	. Physical properties	2270/00	Compositions for creating interpenetrating networks
2261/51	. . Charge transport	2280/00	Compositions for creating shape memory
2261/512	. . . Hole transport	2290/00	Compositions for creating anti-fogging
2261/514	. . . Electron transport	2310/00	Agricultural use or equipment
2261/516	. . . ion-conductive	2330/00	Thermal insulation material
2261/52	. . Luminescence	2330/50	. Evacuated open-celled polymer material
2261/522	. . . fluorescent	2340/00	Filter material
2261/5222	. . . . electrofluorescent	2350/00	Acoustic or vibration damping material
2261/524	. . . phosphorescent	2380/00	Tyres
2261/5242	. . . . electrophosphorescent	2390/00	Containers
2261/526	. . . used as active layer in lasers	2390/40	. Inner coatings for containers
2261/53	. . liquid-crystalline	2410/00	Soles
2261/54	. . electrochromatic	2650/00	Macromolecular compounds obtained by reactions forming an ether link in the main chain of the macromolecule
2261/55	. . thermoelectric	2650/02	. characterized by the type of post-polymerisation functionalisation
2261/56	. . thermochromic	2650/04	. . End-capping
2261/57	. . photorefractive, e.g. change of refractive index	2650/06	. . Epoxy-capping
2261/58	. . corrosion-inhibiting	2650/08	. . . Epoxy- capping used as a source of hydroxy groups
2261/59	. . Stability	2650/10	. . characterized by the catalyst used in the post-polymerisation functionalisation step
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		

- 2650/12 . . Depolymerisation, e.g. to reform the monomer
- 2650/14 . . De-esterification, e.g. of polythf-diester
- 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