

CPC COOPERATIVE PATENT CLASSIFICATION

C CHEMISTRY; METALLURGY

(NOTES omitted)

CHEMISTRY

C09 DYES; PAINTS; POLISHES; NATURAL RESINS; ADHESIVES; MISCELLANEOUS COMPOSITIONS; MISCELLANEOUS APPLICATIONS OF MATERIALS

C09D COATING COMPOSITIONS, e.g. PAINTS, VARNISHES OR LACQUERS; FILLING PASTES; CHEMICAL PAINT OR INK REMOVERS; INKS; CORRECTING FLUIDS; WOODSTAINS; PASTES OR SOLIDS FOR COLOURING OR PRINTING; USE OF MATERIALS THEREFOR (cosmetics [A61K](#); processes for applying liquids or other fluent materials to surfaces, in general, [B05D](#); staining wood [B27K 5/02](#); glazes or vitreous enamels [C03C](#); organic macromolecular compounds [C08](#); organic dyes or closely-related compounds for producing dyes, mordants or lakes, *per se*, [C09B](#); treatment of inorganic materials other than fibrous fillers used as pigments or fillers [C09C](#); natural resins, French polish, drying-oils, driers, turpentine, *per se*, [C09F](#); polishing compositions other than French polish, ski waxes [C09G](#); preparation of glue or gelatine [C09H](#), {[C08H 1/06](#)} ; adhesives or use of materials as adhesives [C09J](#); materials for sealing or packing joints or covers [C09K 3/10](#); materials for stopping leaks [C09K 3/12](#); processes for the electrolytic or electrophoretic production of coatings [C25D](#); textile-treating compositions [D06](#); paper-making [D21](#); conductors, insulators [H01B](#))

NOTES

- In this subclass, the following terms or expressions are used with the meanings indicated:
 - "use of materials for coating compositions" means the use of known or new polymers or products;
 - "rubber" includes:
 - natural or conjugated diene rubbers;
 - rubber in general (for a specific rubber, other than a natural rubber or a conjugated diene rubber, see the group provided for coating compositions based on such macromolecular compounds);
 - "based on" is defined by means of Note 3, below;
 - "filling pastes" means materials used to fill up the holes or cavities of a substrate in order to smooth its surface prior to coating.
- In this subclass, coating compositions containing specific macromolecular substances are classified only according to the macromolecular substance, non-macromolecular substances not being taken into account.
 Example: a coating composition containing polyethene and amino-propyltrimethoxysilane is classified in group [C09D 123/06](#).
 However, coating compositions containing combinations of organic non-macromolecular compounds having at least one polymerisable carbon-to-carbon unsaturated bond with prepolymers or polymers other than unsaturated polymers of groups [C09D 159/00](#) - [C09D 187/00](#) are classified according to the unsaturated non-macromolecular component in group [C09D 4/00](#).
 Example: a coating composition containing polyethene and styrene monomer is classified in group [C09D 4/06](#).
 Aspects relating to the physical nature of the coating compositions or to the effects produced, as defined in group [C09D 5/00](#), if clearly and explicitly stated, are also classified in this subclass.
 Coating compositions characterised by other features, e.g. additives, are classified in group [C09D 7/00](#), unless the macromolecular constituent is specified.
- In this subclass, coating compositions comprising two or more macromolecular constituents are classified according to the macromolecular constituent or constituents present in the highest proportion, i.e. the constituent on which the composition is based. If the composition is based on two or more constituents, present in equal proportions, the composition is classified according to each of these constituents.
 Examples:
 A coating composition containing 80 parts of polyethene and 20 parts of polyvinylchloride is classified in group [C09D 123/06](#);
 A coating composition containing 40 parts of polyethene and 40 parts of polyvinylchloride is classified in groups [C09D 123/06](#) and [C09D 127/06](#).
- Documents classified up until 04.2012: after the notation of group [C09D 4/06](#), and separated therefrom by a + sign, notations concerning the macromolecular compound may be added. The notations are selected from the main groups [C08F 251/00](#) - [C08F 291/00](#) and from the subgroups of [C08F 290/00](#) - [C08F 290/048](#) and [C08F 290/08](#) - [C08F 290/128](#).

C09D

C09D

(continued)

Example: a paint based on a mixture of methylmethacrylate monomer and a polymer of vinylchloride is classified in [C09D 4/06](#) + [C08F 259/04](#).

5. From April 2012 onwards, after the notation [C09D 4/00](#), classification concerning the monomer may be added, in the form of C-sets. The notation is selected from [C08F 210/00](#) - [C08F 246/00](#), [C08G 77/00](#) - [C08G 77/04](#) or [C08G 77/20](#) - [C08G 77/30](#).
Ex.: A paint based on a mixture of methylmethacrylate monomer and a polymer of vinylchloride is classified ([C09D 4/06](#), [C08F 259/04](#)).
6. Documents classified up until 09-2003: Classification is given in the form of C-Sets. The polymer in majority is given a [C09D 101/00](#) - [C09D 201/10](#) symbol, and the minor components are characterised by Indexing Codes taken from the list below. The Indexing Codes are linked. The polymer in majority is always first in the C-set. List of [C08L](#) codes: [C08L 23/00](#), [C08L 23/26](#), [C08L 25/00](#), [C08L 27/00](#), [C08L 27/04](#), [C08L 27/12](#), [C08L 29/00](#), [C08L 31/00](#), [C08L 33/00](#), [C08L 35/00](#), [C08L 37/00](#), [C08L 51/00](#), [C08L 53/00](#), [C08L 55/02](#), [C08L 61/04](#), [C08L 61/20](#), [C08L 63/00](#), [C08L 67/00](#), [C08L 67/02](#), [C08L 67/025](#), [C08L 67/03](#), [C08L 67/04](#), [C08L 67/06](#), [C08L 67/07](#), [C08L 69/00](#), [C08L 69/005](#), [C08L 71/00](#), [C08L 75/04](#), [C08L 77/00](#), [C08L 77/08](#), [C08L 77/12](#), [C08L 79/08](#), [C08L 79/085](#), [C08L 81/00](#), [C08L 83/00](#), [C08L 85/00](#), [C08L 91/06](#), [C08L 95/00](#) or [C08L 2666/00](#) - [C08L 2666/86](#). Documents from group [C09D 123/00](#) - [C09D 123/36](#), [C09D 145/00](#) - [C09D 145/02](#) and [C09D 149/00](#) have all been reclassified following Note 3 below. An additive is classified in the last appropriate place in the list as selected for each [C09D](#) group.
Examples:
 - a. A coating composition based on a polyamide and a graft polymer is classified in ([C09D 177/00](#), [C08L 2666/24](#)).
 - b. A coating composition based on polyvinylchloride and containing CaCO₃ is classified according to note 4 of [C08K](#), i.e. in [C08K 3/26](#) and [C09D 127/06](#). If this coating composition contains also a polyamide, then the classification will be ([C09D 127/06](#), [C08L 77/00](#), [C08K 3/26](#)).
 - c. A coating composition based on a polysiloxane ([C09D 183/04](#)) and containing a second polysiloxane, a phenol and silica is classified in ([C09D 183/04](#), [C08L 83/04](#), [C08L 2666/34](#), [C08L 2666/54](#)).
7. From 01.09.2003 until April 2012: Classification is given in the form of C-Sets. The polymer in majority is given a [C09D](#) symbol, and the minor components are characterised by Indexing Codes taken from [C08L](#) or [C08K](#) and they are linked or unlinked. The polymer in majority is always first in the C-set. List of indexing codes in the C-Sets: [C08L 1/00](#), [C08L 81/00](#), [C08L 83/00](#), [C08L 91/06](#), [C08L 95/00](#) or [C08L 2666/02](#) - [C08L 2666/08](#), [C08L 2666/14](#) - [C08L 2666/26](#). Examples:
 - a. A coating of 60 parts polyvinylchloride ([C09D 127/06](#)) and 40 parts polyamide is classified in ([C09D 127/06](#), [C08L 2666/20](#)), [C08L 77/00](#).
 - b. A coating of 50 parts polyvinylchloride ([C09D 127/06](#)) and 50 parts polyamide ([C09D 177/00](#)) is classified in ([C09D 127/06](#), [C08L 2666/20](#)), and [C08L 77/00](#), as well as ([C09D 177/00](#), [C08L 2666/04](#)) and [C08L 27/06](#).
 - c. A coating composition based on polyvinylchloride and containing CaCO₃ is classified according to [N: Note 4 of [C08K](#), i.e. in [C08K 3/26](#), [C09D 127/06](#). If this composition contains also a polyamide, then the classification will be ([C09D 127/06](#), [C08L 2666/20](#)) and [C08K 3/26](#).
 - d. A composition based on a first polysiloxane ([C09D 183/04](#)) and containing a second polysiloxane, a phenol and silica is classified in ([C09D 183/04](#), [C08L 83/00](#), [C08K 5/13](#), [C08K 3/36](#)) and [C08L 2205/02](#).
8. From April 2012 onwards, after the notation of groups [C09D 101/00](#) - [C09D 201/00](#), notations concerning the other constituents of the coating composition may be added, in the form of C-Sets. The further constituent is added with an indexing code. The indexing codes are chosen from [C08L 1/00](#) - [C08L 2555/86](#) or [C08K](#) and they may be linked or unlinked: - [C08L 1/00](#) - [C08L 101/10](#) are linked. - [C08L 2201/00](#) - [C08L 2555/86](#) are unlinked. The polymer in majority is always first in the C-set. Examples:
 - a. A coating composition containing polyethylene and amino-propyltrimethoxysilane is classified in groups [C09D 123/06](#) and [C08K 5/544](#) (unlinked).
 - b. A coating composition containing 80 parts of polyethylene and 20 parts of polyvinylchloride is classified in ([C09D 123/06](#), [C08L 27/06](#)).
 - c. A coating composition containing 40 parts of polyethylene and 40 parts of polyvinylchloride is classified in ([C09D 123/06](#), [C08L 27/06](#)) and ([C09D 127/06](#), [C08L 23/06](#)).
 - d. A coating composition containing 90% of polysiloxane ([C09D 183/04](#)) further containing 10% of polyester ([C08L 67/00](#)) and an alcohol is classified in ([C09D 183/04](#), [C08L 67/00](#), [C08K 5/05](#)).

WARNING

The following IPC groups are not used in the CPC system. Subject matter covered by these groups is classified in the following CPC groups:

C09D 4/02	covered by	C09D 4/00 , C08F 220/00
C09D 4/04	covered by	C09D 4/00 , C08F 222/00
C09D 5/23	covered by	H01F 41/16
C09D 5/25	covered by	H01B 3/308
C09D 5/33	covered by	C09D 5/004
C09D 5/46	covered by	C09D 5/03
C09D 161/08 , C09D 161/10	covered by	C09D 161/06
C09D 163/02	covered by	C09D 163/00
C09D 171/08	covered by	C09D 171/02
C09D 171/10	covered by	C09D 171/12
C09D 183/05	covered by	C09D 183/04

C09D

C09D

(continued)

C09D 183/07

covered by

C09D 183/04, C09D 183/06

1/00	Coating compositions, e.g. paints, varnishes or lacquers, based on inorganic substances (C04B takes precedence; glazes or vitreous enamels C03C)	5/084	. . . {Inorganic compounds}
1/02	. alkali metal silicates	5/086	. . . {Organic or non-macromolecular compounds}
1/04	. . with organic additives	5/088	. {Autophoretic paints}
1/06	. cement	5/10	. . containing metal dust
1/08	. . with organic additives	5/103	. . . {containing Al}
1/10	. lime	5/106	. . . {containing Zn}
1/12	. . with organic additives	5/12	. Wash primers
4/00	Coating compositions, e.g. paints, varnishes or lacquers, based on organic non-macromolecular compounds having at least one polymerisable carbon-to-carbon unsaturated bond;	5/14	. Paints containing biocides, e.g. fungicides, insecticides or pesticides (C09D 5/16 takes precedence)
	Coating compositions, based on monomers of macromolecular compounds of groups C09D 183/00 - C09D 183/16	5/16	. Antifouling paints; Underwater paints
4/06	. {Organic non-macromolecular compounds having at least one polymerisable carbon-to-carbon unsaturated bond} in combination with a macromolecular compound other than an unsaturated polymer of groups C09D 159/00 - C09D 187/00	5/1606	. . {characterised by the anti-fouling agent}
		5/1612	. . . {Non-macromolecular compounds}
		5/1618	. . . . {inorganic}
		5/1625	. . . . {organic}
		5/1631	. . . . . {Organotin compounds}
		5/1637	. . . {Macromolecular compounds}
		5/1643	. . . . {containing tin}
		5/165	. . . . {containing hydrolysable groups (C09D 5/1643 takes precedence)}
		5/1656	. . {characterised by the film-forming substance (C09D 5/1637 takes precedence)}
5/00	Coating compositions, e.g. paints, varnishes or lacquers, characterised by their physical nature or the effects produced; Filling pastes	5/1662	. . . {Synthetic film-forming substance}
	{(magnetisable or magnetic paints H01F 1/00; electrically insulating paints H01B 3/00; paints for electrophoretic applications C25D 13/00)}	5/1668	. . . . {Vinyl-type polymers}
5/002	. {Priming paints (C09D 5/08 takes precedence)}	5/1675	. . . . {Polyorganosiloxane-containing compositions}
5/004	. {Reflecting paints; Signal paints}	5/1681	. . {Antifouling coatings characterised by surface structure, e.g. for roughness effect giving superhydrophobic coatings or Lotus effect}
5/006	. {Anti-reflective coatings}	5/1687	. . {Use of special additives}
5/008	. {Temporary coatings (C09D 5/20 takes precedence)}	5/1693	. . {as part of a multilayer system}
5/02	. Emulsion paints {including aerosols}	5/18	. Fireproof paints {including high temperature resistant paints}
5/021	. . {Aerosols (aerosol compositions C09K 3/30)}	5/185	. . {Intumescent paints}
5/022	. . {Emulsions, e.g. oil in water}	5/20	. for coatings strippable as coherent films, e.g. temporary coatings strippable as coherent films
5/024	. . {characterised by the additives}	5/22	. Luminous paints {(luminescent compositions C09K 11/00)}
5/025	. . . {Preservatives, e.g. antimicrobial agents}	5/23	. Magnetisable or magnetic paints or lacquers
5/027	. . . {Dispersing agents (anti-settling agents C09D 7/02)}	5/24	. Electrically-conducting paints {(conductive materials H01B 1/00)}
5/028	. . . {Pigments; Filters}	5/26	. Thermosensitive paints
5/03	. Powdery paints	5/28	. for wrinkle, crackle, orange-peel, or similar decorative effects
5/031	. . {characterised by particle size or shape}	5/29	. for multicolour effects
5/032	. . {characterised by a special effect of the produced film, e.g. wrinkle, pearlescence, matt finish}	5/30	. Camouflage paints
5/033	. . {characterised by the additives}	5/32	. Radiation-absorbing paints {(protection against X-, gamma- or corpuscular radiation G21F)}
5/034	. . . {Charge control agents (for toners G03G 9/097)}	5/34	. Filling pastes (materials for sealing or packing joints or covers C09K 3/10; materials for stopping leaks C09K 3/12)
5/035	. . . {Coloring agents, e.g. pigments (C09D 5/032 takes precedence)}	5/36	. Pearl essence, e.g. coatings containing platelet-like pigments for pearl lustre
5/036	. . . {Stabilisers (organic stabilisers for paints C09D 7/1241)}	5/38	. Paints containing free metal not provided for above in groups C09D 5/00 - C09D 5/36
5/037	. . . {Rheology improving agents, e.g. flow control agents}		
5/038	. . . {Anticorrosion agents}		
5/04	. Thixotropic paints		
5/06	. Artists' paints		
5/08	. Anti-corrosive paints		
5/082	. . {characterised by the anti-corrosive pigment}		

- 5/44 . for electrophoretic applications (processes for coating by electrophoresis [C25D 13/00](#))
- NOTE**
- The groups [C09D 5/4403](#) - [C09D 5/4476](#) relating to paints based on a specified film-forming polymer or mixture of polymers take precedence over the groups [C09D 5/448](#) - [C09D 5/4496](#) relating to paints characterised by other features
- 5/4403 . . {with rubbers}
- 5/4407 . . {with polymers obtained by polymerisation reactions involving only carbon-to-carbon unsaturated bonds}
- 5/4411 . . . {Homopolymers or copolymers of acrylates or methacrylates}
- 5/4415 . . . {Copolymers wherein one of the monomers is based on an epoxy resin}
- 5/4419 . . {with polymers obtained otherwise than by polymerisation reactions only involving carbon-to-carbon unsaturated bonds}
- 5/4423 . . . {Polyesters, esterified polyepoxides}
- 5/4426 {Esterified polyepoxides}
- 5/443 . . . {Polyepoxides}
- 5/4434 {characterised by the nature of the epoxy binder}
- 5/4438 {Binder based on epoxy/amine adducts, i.e. reaction products of polyepoxides with compounds containing amino groups only}
- 5/4442 {Binder characterised by functional groups}
- 5/4446 {Aliphatic groups, e.g. ester}
- 5/4449 {Heterocyclic groups, e.g. oxazolidine}
- 5/4453 {characterised by the nature of the curing agent}
- 5/4457 {containing special additives, e.g. pigments, polymeric particles}
- 5/4461 . . . {Polyamides; Polyimides}
- 5/4465 . . . {Polyurethanes}
- 5/4469 . . . {Phenoplasts; Aminoplasts}
- 5/4473 . . {Mixture of polymers}
- 5/4476 . . {comprising polymerisation *in situ*}
- 5/448 . . {characterised by the additives used ([C09D 5/4403](#) - [C09D 5/4476](#), [C09D 5/4492](#) take precedence)}
- 5/4484 . . {Anodic paints ([C09D 5/4403](#) - [C09D 5/4476](#) take precedence)}
- 5/4488 . . {Cathodic paints ([C09D 5/4403](#) - [C09D 5/4476](#) take precedence)}
- 5/4492 . . . {containing special additives, e.g. grinding agents}
- 5/4496 . . . {characterised by the nature of the curing agents}
- 7/00 Features of coating compositions, not provided for in group [C09D 5/00](#) (driers [C09F 9/00](#))**
- 7/001 . {Diluents or solvents for paints}
- 7/002 . {Use of compounds as thickening agents}
- 7/004 . . {Two or more thickening agents}
- 7/005 . {Use of compounds as gloss-reducing agents}
- 7/007 . {Use of organic pigments or dyes (inorganic pigments [C09D 7/1216](#))}
- 7/008 . {Paint detackifiers or coagulants, e.g. for the treatment of oversprays in paint spraying installations (chemical paint removers [C09D 9/00](#))}
- 7/02 . Use of compounds as anti-settling agents
- 7/04 . Use of compounds as anti-skinning agents
- 7/06 . Use of compounds as levelling agents
- 7/12 . Other additives
- 7/1208 . . {non-macromolecular}
- 7/1216 . . . {inorganic ([C09D 7/1291](#) takes precedence)}
- 7/1225 {modified by treatment with other compounds}
- 7/1233 . . . {organic}
- 7/1241 {Stabilisers against degradation by oxygen, light or heat}
- 7/125 . . {macromolecular ([C09D 7/1291](#) takes precedence)}
- 7/1258 . . {characterised by particle size (not used)}
- 7/1266 . . . {characterised by a particle size lower than 100 nm}
- 7/1275 . . . {characterised by a particle size of 100-1000 nm}
- 7/1283 . . . {characterised by a particle size higher than 1000 nm}
- 7/1291 . . {characterised by shape, e.g. fibres, flakes, microspheres}
- 7/14 . Special processes for incorporating ingredients
- 9/00 Chemical paint or ink removers (fluid media for correction of typographical errors by coating [C09D 10/00](#))**
- 9/005 . {containing organic solvents}
- 9/02 . with abrasives
- 9/04 . with surface-active agents
- 10/00 Correcting fluids, e.g. fluid media for correction of typographical errors by coating {(correcting errors by overprinting [B41J 29/36](#))}**
- 11/00 Inks**
- 11/02 . Printing inks ([C09D 11/30](#) takes precedence)
- 11/023 . . Emulsion inks
- 11/0235 . . . Duplicating inks, e.g. for stencil printing
- 11/03 . . characterised by features other than the chemical nature of the binder
- 11/033 . . . characterised by the solvent
- 11/037 . . . characterised by the pigment
- 11/04 . . based on proteins
- 11/06 . . based on fatty oils
- 11/08 . . based on natural resins
- 11/10 . . based on artificial resins
- 11/101 . . . Inks specially adapted for printing processes involving curing by wave energy or particle radiation, e.g. with UV-curing following the printing
- 11/102 . . . containing macromolecular compounds obtained by reactions other than those only involving unsaturated carbon-to-carbon bonds
- 11/103 of aldehydes, e.g. phenol-formaldehyde resins
- 11/104 Polyesters
- 11/105 Alkyd resins
- 11/106 . . . containing macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds
- 11/107 from unsaturated acids or derivatives thereof
- 11/108 Hydrocarbon resins
- 11/12 . . based on waxes or bitumen

11/14	. . based on carbohydrates	101/282	. . . . {with halogen-substituted hydrocarbon radicals}
11/16	. Writing inks	101/284	. . . . {with hydroxylated hydrocarbon radicals}
11/17	. . characterised by colouring agents	101/286	. . . . {substituted with acid radicals (C09D 101/282 takes precedence)}
11/18	. . specially adapted for ball-point writing instruments	101/288	. . . . {substituted with nitrogen containing radicals}
11/20	. . indelible	101/30	. . . Aryl ethers; Aralkyl ethers
11/30	. Inkjet printing inks	101/32	. . Cellulose ether-esters
11/32	. . characterised by colouring agents	103/00	Coating compositions based on starch, amylose or amylopectin or on their derivatives or degradation products
11/322	. . . Pigment inks	103/02	. Starch; Degradation products thereof, e.g. dextrin
11/324	. . . containing carbon black	103/04	. Starch derivatives
11/326	. . . . characterised by the pigment dispersant	103/06	. . Esters
11/328	. . . characterised by dyes	103/08	. . Ethers
11/34	. . Hot-melt inks	103/10	. . Oxidised starch
11/36	. . based on non-aqueous solvents	103/12	. Amylose; Amylopectin; Degradation products thereof
11/38	. . characterised by non-macromolecular additives other than solvents, pigments or dyes	103/14	. Amylose derivatives; Amylopectin derivatives
11/40	. . Ink-sets specially adapted for multi-colour inkjet printing	103/16	. . Esters
11/50	. Sympathetic, colour changing or similar inks	103/18	. . Ethers
11/52	. Electrically conductive inks	103/20	. . Oxidised amylose; Oxidised amylopectin
11/54	. Inks based on two liquids, one liquid being the ink, the other liquid being a reaction solution, a fixer or a treatment solution for the ink	105/00	Coating compositions based on polysaccharides or on their derivatives, not provided for in groups C09D 101/00 or C09D 103/00
13/00	Pencil-leads; Crayon compositions; Chalk compositions	105/02	. Dextran; Derivatives thereof
15/00	Woodstains	105/04	. Alginic acid; Derivatives thereof
17/00	Pigment pastes, e.g. for mixing in paints (artists' paints C09D 5/06)	105/06	. Pectin; Derivatives thereof
17/001	. {in aqueous medium (C09D 17/003, C09D 17/004 take precedence)}	105/08	. Chitin; Chondroitin sulfate; Hyaluronic acid; Derivatives thereof
17/002	. {in organic medium (C09D 17/003, C09D 17/004 take precedence)}	105/10	. Heparin; Derivatives thereof
17/003	. {containing an organic pigment (process features in the making of dye stuff preparations C09B 67/00)}	105/12	. Agar-agar; Derivatives thereof
17/004	. {containing an inorganic pigment}	105/14	. Hemicellulose; Derivatives thereof
17/005	. . {Carbon black}	105/16	. Cyclodextrin; Derivatives thereof
17/006	. . {Metal}	Coating compositions based on rubbers or on their derivatives	
17/007	. . {Metal oxide}	107/00	Coating compositions based on natural rubber
17/008	. . . {Titanium dioxide}	107/02	. Latex
Coating compositions based on polysaccharides or on their derivatives		109/00	Coating compositions based on homopolymers or copolymers of conjugated diene hydrocarbons
101/00	Coating compositions based on cellulose, modified cellulose, or cellulose derivatives	109/02	. Copolymers with acrylonitrile
101/02	. Cellulose; Modified cellulose	109/04	. . Latex
101/04	. . Oxycellulose; Hydrocellulose	109/06	. Copolymers with styrene
101/06	. . Cellulose hydrate	109/08	. . Latex
101/08	. Cellulose derivatives	109/10	. Latex (C09D 109/04, C09D 109/08 take precedence)
101/10	. . Esters of organic acids (of both organic acids and inorganic acids C09D 101/20)	111/00	Coating compositions based on homopolymers or copolymers of chloroprene
101/12	. . . Cellulose acetate	111/02	. Latex
101/14	. . . Mixed esters, e.g. cellulose acetate-butyrate	113/00	Coating compositions based on rubbers containing carboxyl groups
101/16	. . Esters of inorganic acids (of both organic acids and inorganic acids C09D 101/20)	113/02	. Latex
101/18	. . . Cellulose nitrate	115/00	Coating compositions based on rubber derivatives (C09D 111/00, C09D 113/00 take precedence)
101/20	. . Esters of both organic acids and inorganic acids	115/005	. {Hydrogenated nitrile rubber}
101/22	. . Cellulose xanthate	115/02	. Rubber derivatives containing halogen
101/24	. . . Viscose	117/00	Coating compositions based on reclaimed rubber
101/26	. . Cellulose ethers		
101/28	. . . Alkyl ethers		

119/00	Coating compositions based on rubbers, not provided for in groups C09D 107/00 - C09D 117/00
119/003	. {Precrosslinked rubber; Scrap rubber; Used vulcanised rubber}
119/006	. {Rubber characterised by functional groups, e.g. telechelic diene polymers}
119/02	. Latex
121/00	Coating compositions based on unspecified rubbers
121/02	. Latex

Coating compositions based on organic macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds

123/00	Coating compositions based on homopolymers or copolymers of unsaturated aliphatic hydrocarbons having only one carbon-to-carbon double bond; Coating compositions based on derivatives of such polymers
123/02	. not modified by chemical after-treatment
123/025	. . {Copolymer of an unspecified olefine with a monomer other than an olefine}
123/04	. . Homopolymers or copolymers of ethene
123/06	. . . Polyethylene
123/08	. . . Copolymers of ethene (C09D 123/16 takes precedence)
123/0807	. . . . {Copolymers of ethene with unsaturated hydrocarbons only containing more than three carbon atoms}
123/0815	. . . . . {Copolymers of ethene with aliphatic 1-olefins}
123/0823	. . . . . {Copolymers of ethene with aliphatic cyclic olefins}
123/083	. . . . . {Copolymers of ethene with aliphatic polyenes, i.e. containing more than one unsaturated bond}
123/0838	. . . . . {Copolymers of ethene with aromatic monomers}
123/0846	. . . . . {Copolymers of ethene with unsaturated hydrocarbons containing other atoms than carbon or hydrogen atoms}
123/0853	. . . . . {Vinylacetate}
123/0861	. . . . . {Saponified vinylacetate}
123/0869	. . . . . {Acids or derivatives thereof}
123/0876	. . . . . {Neutralised polymers, i.e. ionomers}
123/0884	. . . . . {Epoxide containing esters}
123/0892	. . . . . {containing monomers with other atoms than carbon, hydrogen or oxygen atoms}
123/10	. . Homopolymers or copolymers of propene
123/12	. . . Polypropene
123/14	. . . Copolymers of propene (C09D 123/16 takes precedence)
123/142	. . . . {at least partially crystalline copolymers of propene with other olefins}
123/145	. . . . {Copolymers of propene with monomers having more than one C=C double bond}
123/147	. . . . {Copolymers of propene with monomers containing other atoms than carbon or hydrogen atoms}

123/16	. . {Elastomeric} ethene-propene or ethene-propene-diene copolymers, {e.g. EPR and EPDM rubbers}
	NOTE
	This group is used for polymers comprising both ethylene and propylene
123/18	. . Homopolymers or copolymers of hydrocarbons having four or more carbon atoms
123/20	. . . having four to nine carbon atoms
123/22	. . . . Copolymers of isobutene; Butyl rubber {Homo- or copolymers of other iso-olefines}
123/24	. . . having ten or more carbon atoms
123/26	. modified by chemical after-treatment
123/28	. . by reaction with halogens or compounds containing halogen (C09D 123/32 takes precedence)
123/283	. . . {Halogenated homo- or copolymers of iso-olefines}
123/286	. . . {Chlorinated polyethylene}
123/30	. . by oxidation
123/32	. . by reaction with compounds containing phosphorus or sulfur
123/34	. . . by chlorosulfonation
123/36	. . by reaction with compounds containing nitrogen, e.g. by nitration
125/00	Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an aromatic carbocyclic ring; Coating compositions based on derivatives of such polymers
125/02	. Homopolymers or copolymers of hydrocarbons
125/04	. . Homopolymers or copolymers of styrene
125/06	. . . Polystyrene
125/08	. . . Copolymers of styrene (C09D 129/08 , C09D 135/06 , C09D 155/02 take precedence)
125/10	. . . . with conjugated dienes
125/12	. . . . with unsaturated nitriles
125/14	. . . . with unsaturated esters
125/16	. . Homopolymers or copolymers of alkyl-substituted styrenes
125/18	. Homopolymers or copolymers of aromatic monomers containing elements other than carbon and hydrogen
127/00	Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a halogen; Coating compositions based on derivatives of such polymers
127/02	. not modified by chemical after-treatment
127/04	. . containing chlorine atoms
127/06	. . . Homopolymers or copolymers of vinyl chloride
127/08	. . . Homopolymers or copolymers of vinylidene chloride
127/10	. . containing bromine or iodine atoms
127/12	. . containing fluorine atoms
127/14	. . . Homopolymers or copolymers of vinyl fluoride
127/16	. . . Homopolymers or copolymers of vinylidene fluoride

127/18	. . . Homopolymers or copolymers of tetrafluoroethene	133/062	. . . { Copolymers with monomers not covered by C09D 133/06 }
127/20	. . . Homopolymers or copolymers of hexafluoropropene	133/064	. . . . {containing anhydride, COOH or COOM groups, with M being metal or onium-cation}
127/22	. modified by chemical after-treatment	133/066	. . . . {containing -OH groups}
127/24	. . halogenated	133/068	. . . . {containing glycidyl groups}
129/00	Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an alcohol, ether, aldehyde, ketonic, acetal, or ketal radical; Coating compositions based on hydrolysed polymers of esters of unsaturated alcohols with saturated carboxylic acids; Coating compositions based on derivatives of such polymers	133/08	. . . Homopolymers or copolymers of acrylic acid esters
129/02	. Homopolymers or copolymers of unsaturated alcohols (C09D 129/14 takes precedence)	133/10	. . . Homopolymers or copolymers of methacrylic acid esters
129/04	. . Polyvinyl alcohol; Partially hydrolysed homopolymers or copolymers of esters of unsaturated alcohols with saturated carboxylic acids	133/12	. . . . Homopolymers or copolymers of methyl methacrylate
129/06	. . Copolymers of allyl alcohol	133/14	. . of esters containing halogen, nitrogen, sulfur or oxygen atoms in addition to the carboxy oxygen
129/08	. . . with vinyl aromatic monomers	133/16	. . . Homopolymers or copolymers of esters containing halogen atoms
129/10	. Homopolymers or copolymers of unsaturated ethers (C09D 135/08 takes precedence)	133/18	. Homopolymers or copolymers of nitriles
129/12	. Homopolymers or copolymers of unsaturated ketones	133/20	. . Homopolymers or copolymers of acrylonitrile (C09D 155/02 takes precedence)
129/14	. Homopolymers or copolymers of acetals or ketals obtained by polymerisation of unsaturated acetals or ketals or by after-treatment of polymers of unsaturated alcohols	133/22	. . Homopolymers or copolymers of nitriles containing four or more carbon atoms
131/00	Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an acyloxy radical of a saturated carboxylic acid, of carbonic acid, or of a haloformic acid (based on hydrolysed polymers C09D 129/00); Coating compositions based on derivatives of such polymers	133/24	. Homopolymers or copolymers of amides or imides
131/02	. Homopolymers or copolymers of esters of monocarboxylic acids	133/26	. . Homopolymers or copolymers of acrylamide or methacrylamide
131/04	. . Homopolymers or copolymers of vinyl acetate	135/00	Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a carboxyl radical, and containing at least another carboxyl radical in the molecule, or of salts, anhydrides, esters, amides, imides or nitriles thereof; Coating compositions based on derivatives of such polymers
131/06	. Homopolymers or copolymers of esters of polycarboxylic acids	135/02	. Homopolymers or copolymers of esters (C09D 135/06, C09D 135/08 take precedence)
131/08	. . of phthalic acid	135/04	. Homopolymers or copolymers of nitriles (C09D 135/06, C09D 135/08 take precedence)
133/00	Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by only one carboxyl radical, or of salts, anhydrides, esters, amides, imides, or nitriles thereof; Coating compositions based on derivatives of such polymers	135/06	. Copolymers with vinyl aromatic monomers
133/02	. Homopolymers or copolymers of acids; Metal or ammonium salts thereof	135/08	. Copolymers with vinyl ethers
133/04	. Homopolymers or copolymers of esters (C09D 143/04 takes precedence)	137/00	Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a heterocyclic ring containing oxygen (based on polymers of cyclic esters of polyfunctional acids C09D 131/00; based on polymers of cyclic anhydrides of unsaturated acids C09D 135/00); Coating compositions based on derivatives of such polymers
133/06	. . of esters containing only carbon, hydrogen and oxygen, the oxygen atom being present only as part of the carboxyl radical	139/00	Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a single or double bond to nitrogen or by a heterocyclic ring containing nitrogen; Coating compositions based on derivatives of such polymers
		139/02	. Homopolymers or copolymers of vinylamine
		139/04	. Homopolymers or copolymers of monomers containing heterocyclic rings having nitrogen as ring member
		139/06	. . Homopolymers or copolymers of N-vinyl-pyrrolidones

139/08	. . Homopolymers or copolymers of vinyl-pyridine	151/08	. grafted on to macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds
141/00	Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a bond to sulfur or by a heterocyclic ring containing sulfur; Coating compositions based on derivatives of such polymers	151/085	. . {on to polysiloxanes}
		151/10	. grafted on to inorganic materials
		153/00	Coating compositions based on block copolymers containing at least one sequence of a polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds; Coating compositions based on derivatives of such polymers
143/00	Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and containing boron, silicon, phosphorus, selenium, tellurium, or a metal; Coating compositions based on derivatives of such polymers	153/005	. {Modified block copolymers}
		153/02	. Vinyl aromatic monomers and conjugated dienes
		153/025	. . {modified}
143/02	. Homopolymers or copolymers of monomers containing phosphorus	155/00	Coating compositions based on homopolymers or copolymers, obtained by polymerisation reactions only involving carbon-to-carbon unsaturated bonds, not provided for in groups C09D 123/00 - C09D 153/00
143/04	. Homopolymers or copolymers of monomers containing silicon	155/005	. {Homopolymers or copolymers obtained by polymerisation of macromolecular compounds terminated by a carbon-to-carbon double bond}
145/00	Coating compositions based on homopolymers or copolymers of compounds having no unsaturated aliphatic radicals in a side chain, and having one or more carbon-to-carbon double bonds in a carbocyclic or in a heterocyclic system; Coating compositions based on derivatives of such polymers (based on polymers of cyclic esters of polyfunctional acids C09D 131/00; based on polymers of cyclic anhydrides or imides C09D 135/00)	155/02	. ABS [Acrylonitrile-Butadiene-Styrene] polymers
		155/04	. Polyadducts obtained by the diene synthesis
145/02	. Coumarone-indene polymers	157/00	Coating compositions based on unspecified polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds
147/00	Coating compositions based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, at least one having two or more carbon-to-carbon double bonds; Coating compositions based on derivatives of such polymers (C09D 145/00 takes precedence; based on conjugated diene rubbers C09D 109/00 - C09D 121/00)	157/02	. Copolymers of mineral oil hydrocarbons
		157/04	. Copolymers in which only the monomer in minority is defined
		157/06	. Homopolymers or copolymers containing elements other than carbon and hydrogen
		157/08	. . containing halogen atoms
		157/10	. . containing oxygen atoms
		157/12	. . containing nitrogen atoms
		<u>Coating compositions based on organic macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds</u>	
149/00	Coating compositions based on homopolymers or copolymers of compounds having one or more carbon-to-carbon triple bonds; Coating compositions based on derivatives of such polymers	159/00	Coating compositions based on polyacetals; Coating compositions based on derivatives of polyacetals
		159/02	. Polyacetals containing polyoxymethylene sequence only
151/00	Coating compositions based on graft polymers in which the grafted component is obtained by reactions only involving carbon-to-carbon unsaturated bonds (based on ABS polymers C09D 155/02); Coating compositions based on derivatives of such polymers	159/04	. Copolyoxymethylenes
151/003	. {grafted on to macromolecular compounds obtained by reactions only involving unsaturated carbon-to-carbon bonds (C09D 151/04, C09D 151/06 take precedence)}	161/00	Coating compositions based on condensation polymers of aldehydes or ketones (with polyalcohols C09D 159/00; with polynitriles C09D 177/00); Coating compositions based on derivatives of such polymers
151/006	. {grafted on to block copolymers containing at least one sequence of polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds}	161/02	. Condensation polymers of aldehydes or ketones only
		161/04	. Condensation polymers of aldehydes or ketones with phenols only
151/02	. grafted on to polysaccharides	161/06	. . of aldehydes with phenols
151/04	. grafted on to rubbers	161/12	. . . with polyhydric phenols
151/06	. grafted on to homopolymers or copolymers of aliphatic hydrocarbons containing only one carbon-to-carbon double bond	161/14	. . . Modified phenol-aldehyde condensates
		161/16	. . of ketones with phenols
		161/18	. Condensation polymers of aldehydes or ketones with aromatic hydrocarbons or their halogen derivatives only

161/20	• Condensation polymers of aldehydes or ketones with only compounds containing hydrogen attached to nitrogen (with amino phenols C09D 161/04)	169/005	• {Polyester-carbonates}
161/22	• • of aldehydes with acyclic or carbocyclic compounds	171/00	Coating compositions based on polyethers obtained by reactions forming an ether link in the main chain (based on polyacetals C09D 159/00 ; based on epoxy resins C09D 163/00 ; based on polythioether-ethers C09D 181/02 ; based on polyethersulfones C09D 181/06); Coating compositions based on derivatives of such polymers
161/24	• • • with urea or thiourea	171/02	• Polyalkylene oxides
161/26	• • of aldehydes with heterocyclic compounds	171/03	• • Polyepihalohydrins
161/28	• • • with melamine	171/08	• Polyethers derived from hydroxy compounds or from their metallic derivatives (C09D 171/02 takes precedence) {not used}
161/30	• • of aldehydes with heterocyclic and acyclic or carbocyclic compounds	171/10	• • from phenols {not used}
161/32	• • Modified amine-aldehyde condensates	171/12	• • • Polyphenylene oxides
161/34	• Condensation polymers of aldehydes or ketones with monomers covered by at least two of the groups C09D 161/04 , C09D 161/18 and C09D 161/20	171/14	• • Furfuryl alcohol polymers
163/00	Coating compositions based on epoxy resins; Coating compositions based on derivatives of epoxy resins	173/00	Coating compositions based on macromolecular compounds obtained by reactions forming a linkage containing oxygen or oxygen and carbon in the main chain, not provided for in groups C09D 159/00 - C09D 171/00; Coating compositions based on derivatives of such polymers
163/04	• Epoxynovolacs	173/02	• Polyanhydrides
163/06	• Triglycidylisocyanurates	175/00	Coating compositions based on polyureas or polyurethanes; Coating compositions based on derivatives of such polymers
163/08	• Epoxidised polymerised polyenes	175/02	• Polyureas
163/10	• Epoxy resins modified by unsaturated compounds	175/04	• Polyurethanes
	NOTE In groups C09D 165/00 - C09D 185/00 , in the absence of an indication to the contrary, adhesives based on macromolecular compounds obtained by reactions forming two different linkages in the main chain are classified according to the linkage present in excess.	175/06	• • from polyesters
165/00	Coating compositions based on macromolecular compounds obtained by reactions forming a carbon-to-carbon link in the main chain (C09D 107/00 - C09D 157/00 , C09D 161/00 take precedence); Coating compositions based on derivatives of such polymers	175/08	• • from polyethers
165/02	• Polyphenylenes	175/10	• • from polyacetals
165/04	• Polyxylylenes	175/12	• • from compounds containing nitrogen and active hydrogen, the nitrogen atom not being part of an isocyanate group
167/00	Coating compositions based on polyesters obtained by reactions forming a carboxylic ester link in the main chain (based on polyester-amides C09D 177/12 ; based on polyester-imides C09D 179/08); Coating compositions based on derivatives of such polymers	175/14	• • Polyurethanes having carbon-to-carbon unsaturated bonds
167/02	• Polyesters derived from dicarboxylic acids and dihydroxy compounds (C09D 167/06 takes precedence)	175/16	• • • having terminal carbon-to-carbon unsaturated bonds
167/025	• • {containing polyether sequences}	177/00	Coating compositions based on polyamides obtained by reactions forming a carboxylic amide link in the main chain (based on polyhydrazides C09D 179/06 ; based on polyamide-imides C09D 179/08); Coating compositions based on derivatives of such polymers
167/03	• • the dicarboxylic acids and dihydroxy compounds having the carboxyl - and the hydroxy groups directly linked to aromatic rings	177/02	• Polyamides derived from omega-amino carboxylic acids or from lactams thereof (C09D 177/10 takes precedence)
167/04	• Polyesters derived from hydroxycarboxylic acids, e.g. lactones (C09D 167/06 takes precedence)	177/04	• Polyamides derived from alpha-amino carboxylic acids (C09D 177/10 takes precedence)
167/06	• Unsaturated polyesters having carbon-to-carbon unsaturation	177/06	• Polyamides derived from polyamines and polycarboxylic acids (C09D 177/10 takes precedence)
167/07	• • having terminal carbon-to-carbon unsaturated bonds	177/08	• • from polyamines and polymerised unsaturated fatty acids
167/08	• Polyesters modified with higher fatty oils or their acids, or with natural resins or resin acids	177/10	• Polyamides derived from aromatically bound amino and carboxyl groups of amino carboxylic acids or of polyamines and polycarboxylic acids
169/00	Coating compositions based on polycarbonates; Coating compositions based on derivatives of polycarbonates	177/12	• Polyester-amides

- 179/00** Coating compositions based on macromolecular compounds obtained by reactions forming in the main chain of the macromolecule a linkage containing nitrogen, with or without oxygen, or carbon only, not provided for in groups [C09D 161/00](#) - [C09D 177/00](#)
- 179/02 . Polyamines
- 179/04 . Polycondensates having nitrogen-containing heterocyclic rings in the main chain; Polyhydrazides; Polyamide acids or similar polyimide precursors
- 179/06 . . Polyhydrazides; Polytriazoles; Polyamino-triazoles; Polyoxadiazoles
- 179/08 . . Polyimides; Polyester-imides; Polyamide-imides; Polyamide acids or similar polyimide precursors
- 179/085 . . . {Unsaturation polyimide precursors}
- 181/00** Coating compositions based on macromolecular compounds obtained by reactions forming in the main chain of the macromolecule a linkage containing sulfur, with or without nitrogen, oxygen, or carbon only; Coating compositions based on polysulfones; Coating compositions based on derivatives of such polymers
- 181/02 . Polythioethers; Polythioether-ethers
- 181/04 . Polysulfides
- 181/06 . Polysulfones; Polyethersulfones
- 181/08 . Polysulfonates
- 181/10 . Polysulfonamides; Polysulfonimides
- 183/00** Coating compositions based on macromolecular compounds obtained by reactions forming in the main chain of the macromolecule a linkage containing silicon, with or without sulfur, nitrogen, oxygen, or carbon only; Coating compositions based on derivatives of such polymers
- NOTE**
- In this main group and its subgroups, from 01.09.2010 onwards, new documents are classified according to the following system. The coating composition is identified with the C-Set, e.g. ([C09D 183/04](#), [C08L 83/04](#)) (for a coating composition containing two or more siloxanes), while the information as to which different polymers are present in the coating composition is identified with additional indexing codes, e.g. [C08G 77/12](#) and [C08G 77/20](#).
- 183/02 . Polysilicates
- 183/04 . Polysiloxanes
- 183/06 . . containing silicon bound to oxygen-containing groups ([C09D 183/12](#) takes precedence)
- 183/08 . . containing silicon bound to organic groups containing atoms other than carbon, hydrogen, and oxygen
- 183/10 . Block or graft copolymers containing polysiloxane sequences (obtained by polymerising a compound having a carbon-to-carbon double bond on to a polysiloxane [C09D 151/08](#), [C09D 153/00](#))
- 183/12 . . containing polyether sequences
- 183/14 . in which at least two but not all the silicon atoms are connected by linkages other than oxygen atoms ([C09D 183/10](#) takes precedence)
- 183/16 . in which all the silicon atoms are connected by linkages other than oxygen atoms

- 185/00** Coating compositions based on macromolecular compounds obtained by reactions forming in the main chain of the macromolecule a linkage containing atoms other than silicon, sulfur, nitrogen, oxygen, and carbon; Coating compositions based on derivatives of such polymers
- 185/02 . containing phosphorus
- 185/04 . containing boron
- 187/00** Coating compositions based on unspecified macromolecular compounds, obtained otherwise than by polymerisation reactions only involving unsaturated carbon-to-carbon bonds
- 187/005 . {Block or graft polymers not provided for in groups [C09D 101/00](#) - [C09D 185/04](#)}
- Coating compositions based on natural macromolecular compounds or on derivatives thereof** (based on polysaccharides [C09D 101/00](#) - [C09D 105/00](#); based on natural rubber [C09D 107/00](#))
- 189/00** Coating compositions based on proteins; Coating compositions based on derivatives thereof (foodstuff preparations [A23J 3/00](#))
- 189/005 . {Casein}
- 189/02 . Casein-aldehyde condensates
- 189/04 . Products derived from waste materials, e.g. horn, hoof or hair
- 189/06 . . derived from leather or skin
- 191/00** Coating compositions based on oils, fats or waxes; Coating compositions based on derivatives thereof (polishing compositions, ski waxes [C09G](#); soaps, detergent compositions [C11D](#))
- 191/005 . {Drying oils}
- 191/02 . Vulcanised oils, e.g. factice
- 191/04 . Linosyn
- 191/06 . Waxes
- 191/08 . . Mineral waxes
- 193/00** Coating compositions based on natural resins; Coating compositions based on derivatives thereof (polishing compositions [C09G](#))
- 193/02 . Shellac
- 193/04 . Rosin
- 195/00** Coating compositions based on bituminous materials, e.g. asphalt, tar, pitch
- 195/005 . {Aqueous compositions, e.g. emulsions}
- 197/00** Coating compositions based on lignin-containing materials
- 197/002 . {Peat, lignite, coal (briquettes [C10L 5/00](#); working-up peat; ceramic products based on carbon or carbides)}
- 197/005 . {Lignin}
- 197/007 . {Cork}
- 197/02 . Lignocellulosic material, e.g. wood, straw or bagasse
- 199/00** Coating compositions based on natural macromolecular compounds or on derivatives thereof, not provided for in groups [C09D 189/00](#) - [C09D 197/00](#)
- 201/00** Coating compositions based on unspecified macromolecular compounds
- 201/005 . {Dendritic macromolecules}

- 201/02 . characterised by the presence of specified groups{,
e.g. terminal or pendant functional groups}
- 201/025 . . {containing nitrogen atoms}
- 201/04 . . containing halogen atoms
- 201/06 . . containing oxygen atoms {(C09D 201/025 takes
precedence)}
- 201/08 . . . Carboxyl groups
- 201/10 . . containing hydrolysable silane groups