

# 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 CaCO<sub>3</sub> 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 CaCO<sub>3</sub> 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 in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

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

## C09D

C09D

(continued)

C09D 183/07

covered by

C09D 183/04, C09D 183/06

<b>1/00</b>	<b>Coating compositions, e.g. paints, varnishes or lacquers, based on inorganic substances (C04B takes precedence; glazes or vitreous enamels C03C)</b>	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
<b>4/00</b>	<b>Coating compositions, e.g. paints, varnishes or lacquers, based on organic non-macromolecular compounds having at least one polymerisable carbon-to-carbon unsaturated bond (; Coating compositions, based on monomers of macromolecular compounds of groups C09D 183/00 - C09D 183/16)</b>	5/14	. Paints containing biocides, e.g. fungicides, insecticides or pesticides (C09D 5/16 takes precedence)
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	5/16	. Antifouling paints; Underwater paints
<b>5/00</b>	<b>Coating compositions, e.g. paints, varnishes or lacquers, characterised by their physical nature or the effects produced; Filling pastes {(magnetisable or magnetic paints H01F 1/00; electrically insulating paints H01B 3/00; paints for electrophoretic applications C25D 13/00)}</b>	5/1606	. . {characterised by the anti-fouling agent}
5/002	. {Priming paints (C09D 5/08 takes precedence)}	5/1612	. . . {Non-macromolecular compounds}
5/004	. {Reflecting paints; Signal paints}	5/1618	. . . . {inorganic}
5/006	. {Anti-reflective coatings}	5/1625	. . . . {organic}
5/008	. {Temporary coatings (C09D 5/20 takes precedence)}	5/1631	. . . . . {Organotin compounds}
5/02	. Emulsion paints {including aerosols}	5/1637	. . . {Macromolecular compounds}
5/021	. . {Aerosols (aerosol compositions C09K 3/30)}	5/1643	. . . . {containing tin}
5/022	. . {Emulsions, e.g. oil in water}	5/165	. . . . {containing hydrolysable groups (C09D 5/1643 takes precedence)}
5/024	. . {characterised by the additives}	5/1656	. . {characterised by the film-forming substance (C09D 5/1637 takes precedence)}
5/025	. . . {Preservatives, e.g. antimicrobial agents}	5/1662	. . . {Synthetic film-forming substance}
5/027	. . . {Dispersing agents (anti-settling agents C09D 7/45)}	5/1668	. . . . {Vinyl-type polymers}
5/028	. . . {Pigments; Filters}	5/1675	. . . . {Polyorganosiloxane-containing compositions}
5/03	. Powdery paints	5/1681	. . {Antifouling coatings characterised by surface structure, e.g. for roughness effect giving superhydrophobic coatings or Lotus effect}
5/031	. . {characterised by particle size or shape}	5/1687	. . {Use of special additives}
5/032	. . {characterised by a special effect of the produced film, e.g. wrinkle, pearlescence, matt finish}	5/1693	. . {as part of a multilayer system}
5/033	. . {characterised by the additives}	5/18	. Fireproof paints {including high temperature resistant paints}
5/034	. . . {Charge control agents (for toners G03G 9/097)}	5/185	. . {Intumescent paints}
5/035	. . . {Coloring agents, e.g. pigments (C09D 5/032 takes precedence)}	5/20	. for coatings strippable as coherent films, e.g. temporary coatings strippable as coherent films
5/036	. . . {Stabilisers (organic stabilisers for paints C09D 7/48)}	5/22	. Luminous paints {(luminescent compositions C09K 11/00)}
5/037	. . . {Rheology improving agents, e.g. flow control agents}	5/23	. Magnetisable or magnetic paints or lacquers
5/038	. . . {Anticorrosion agents}	5/24	. Electrically-conducting paints {(conductive materials H01B 1/00)}
5/04	. Thixotropic paints	5/26	. Thermosensitive paints
5/06	. Artists' paints	5/28	. for wrinkle, crackle, orange-peel, or similar decorative effects
5/08	. Anti-corrosive paints	5/29	. for multicolour effects
5/082	. . {characterised by the anti-corrosive pigment}	5/30	. Camouflage paints
		5/32	. Radiation-absorbing paints {(protection against X-, gamma- or corpuscular radiation G21F)}
		5/34	. Filling pastes (materials for sealing or packing joints or covers C09K 3/10; materials for stopping leaks C09K 3/12)
		5/36	. Pearl essence, e.g. coatings containing platelet-like pigments for pearl lustre
		5/38	. Paints containing free metal not provided for above in groups C09D 5/00 - C09D 5/36

- 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](#)); Processes for incorporating ingredients in coating compositions**
- 7/20 . . Diluents or solvents
- 7/40 . . Additives

- 7/41 . . Organic pigments; Organic dyes

**WARNING**

Group [C09D 7/41](#) is incomplete pending reclassification of documents from groups [C09D 7/60](#), [C09D 7/61](#), [C09D 7/62](#), [C09D 7/63](#), [C09D 7/65](#) and [C09D 7/70](#).

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

- 7/42 . . Gloss-reducing agents

**WARNING**

Group [C09D 7/42](#) is incomplete pending reclassification of documents from groups [C09D 7/60](#), [C09D 7/61](#), [C09D 7/62](#), [C09D 7/63](#), [C09D 7/65](#) and [C09D 7/70](#).

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

- 7/43 . . Thickening agents

**WARNING**

Group [C09D 7/43](#) is incomplete pending reclassification of documents from groups [C09D 7/60](#), [C09D 7/61](#), [C09D 7/62](#), [C09D 7/63](#), [C09D 7/65](#) and [C09D 7/70](#).

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

- 7/44 . . . Combinations of two or more thickening agents

**WARNING**

Group [C09D 7/44](#) is incomplete pending reclassification of documents from groups [C09D 7/60](#), [C09D 7/61](#), [C09D 7/62](#), [C09D 7/63](#), [C09D 7/65](#) and [C09D 7/70](#).

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

- 7/45 . . Anti-settling agents

**WARNING**

Group [C09D 7/45](#) is incomplete pending reclassification of documents from groups [C09D 7/60](#), [C09D 7/61](#), [C09D 7/62](#), [C09D 7/63](#), [C09D 7/65](#) and [C09D 7/70](#).

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

- 7/46 . . Anti-skinning agents

**WARNING**

Group [C09D 7/46](#) is incomplete pending reclassification of documents from groups [C09D 7/60](#), [C09D 7/61](#), [C09D 7/62](#), [C09D 7/63](#), [C09D 7/65](#) and [C09D 7/70](#).

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

- 7/47 . . Levelling agents

**WARNING**

Group [C09D 7/47](#) is incomplete pending reclassification of documents from groups [C09D 7/60](#), [C09D 7/61](#), [C09D 7/62](#), [C09D 7/63](#), [C09D 7/65](#) and [C09D 7/70](#).

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

- 7/48 . . Stabilisers against degradation by oxygen, light or heat

**WARNING**

Group [C09D 7/48](#) is incomplete pending reclassification of documents from groups [C09D 7/60](#), [C09D 7/61](#), [C09D 7/62](#), [C09D 7/63](#), [C09D 7/65](#) and [C09D 7/70](#).

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

- 7/60 . . non-macromolecular ([C09D 7/41-C09D 7/48 take precedence](#))

**WARNING**

Group [C09D 7/60](#) is impacted by reclassification into groups [C09D 7/41](#), [C09D 7/42](#), [C09D 7/43](#), [C09D 7/44](#), [C09D 7/45](#), [C09D 7/46](#), [C09D 7/47](#), and [C09D 7/48](#).

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

- 7/61 . . . inorganic

**WARNING**

Group [C09D 7/61](#) is incomplete pending reclassification of documents from group [C09D 7/70](#). Group [C09D 7/61](#) is also impacted by reclassification into groups [C09D 7/41](#), [C09D 7/42](#), [C09D 7/43](#), [C09D 7/44](#), [C09D 7/45](#), [C09D 7/46](#), [C09D 7/47](#), and [C09D 7/48](#).

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

- 7/62 . . . . modified by treatment with other compounds

**WARNING**

Group [C09D 7/62](#) is incomplete pending reclassification of documents from group [C09D 7/70](#). Group [C09D 7/62](#) is also impacted by reclassification into groups [C09D 7/41](#), [C09D 7/42](#), [C09D 7/43](#), [C09D 7/44](#), [C09D 7/45](#), [C09D 7/46](#), [C09D 7/47](#), and [C09D 7/48](#).

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

- 7/63 . . . organic

**WARNING**

Group [C09D 7/63](#) is impacted by reclassification into groups [C09D 7/41](#), [C09D 7/42](#), [C09D 7/43](#), [C09D 7/44](#), [C09D 7/45](#), [C09D 7/46](#), [C09D 7/47](#), and [C09D 7/48](#).

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

- 7/65 . . macromolecular ([C09D 7/41-C09D 7/48 take precedence](#))

**WARNING**

Group [C09D 7/65](#) is incomplete pending reclassification of documents from group [C09D 7/70](#). Group [C09D 7/65](#) is also impacted by reclassification into groups [C09D 7/41](#), [C09D 7/42](#), [C09D 7/43](#), [C09D 7/44](#), [C09D 7/45](#), [C09D 7/46](#), [C09D 7/47](#), and [C09D 7/48](#).

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

- 7/66 . . {characterised by particle size}  
 7/67 . . . {Particle size smaller than 100 nm}  
 7/68 . . . {Particle size between 100-1000 nm}  
 7/69 . . . {Particle size larger than 1000 nm}  
 7/70 . . {characterised by shape, e.g. fibres, flakes or microspheres}

**WARNING**

Group [C09D 7/70](#) is impacted by reclassification into groups [C09D 7/41](#), [C09D 7/42](#), [C09D 7/43](#), [C09D 7/44](#), [C09D 7/45](#), [C09D 7/46](#), [C09D 7/47](#), [C09D 7/48](#), [C09D 7/61](#), [C09D 7/62](#) and [C09D 7/65](#).

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

- 7/71 . {Paint detackifiers or coagulants, e.g. for the treatment of oversprays in paint spraying installations ([chemical paint removers C09D 9/00](#))}  
 7/80 . 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
- 11/16 . Writing inks
- 11/17 . . characterised by colouring agents
- 11/18 . . specially adapted for ball-point writing instruments
- 11/20 . . indelible
- 11/30 . Inkjet printing inks
- 11/32 . . characterised by colouring agents
- 11/322 . . . Pigment inks
- 11/324 . . . containing carbon black
- 11/326 . . . . characterised by the pigment dispersant
- 11/328 . . . characterised by dyes
- 11/34 . . Hot-melt inks
- 11/36 . . based on non-aqueous solvents
- 11/38 . . characterised by non-macromolecular additives other than solvents, pigments or dyes
- 11/40 . . Ink-sets specially adapted for multi-colour inkjet printing
- 11/50 . Sympathetic, colour changing or similar inks
- 11/52 . Electrically conductive inks
- 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
- 13/00 Pencil-leads; Crayon compositions; Chalk compositions**
- 15/00 Woodstains**
- 17/00 Pigment pastes, e.g. for mixing in paints (artists' paints C09D 5/06)**
- 17/001 . {in aqueous medium (C09D 17/003, C09D 17/004 take precedence)}
- 17/002 . {in organic medium (C09D 17/003, C09D 17/004 take precedence)}
- 17/003 . {containing an organic pigment (process features in the making of dye stuff preparations C09B 67/00)}
- 17/004 . {containing an inorganic pigment}
- 17/005 . . {Carbon black}
- 17/006 . . {Metal}
- 17/007 . . {Metal oxide}

17/008 . . . {Titanium dioxide}

#### **Coating compositions based on polysaccharides or on their derivatives**

- 101/00 Coating compositions based on cellulose, modified cellulose, or cellulose derivatives**
- 101/02 . Cellulose; Modified cellulose
- 101/04 . . Oxycellulose; Hydrocellulose
- 101/06 . . Cellulose hydrate
- 101/08 . Cellulose derivatives
- 101/10 . . Esters of organic acids (of both organic acids and inorganic acids C09D 101/20)
- 101/12 . . . Cellulose acetate
- 101/14 . . . Mixed esters, e.g. cellulose acetate-butyrate
- 101/16 . . Esters of inorganic acids (of both organic acids and inorganic acids C09D 101/20)
- 101/18 . . . Cellulose nitrate
- 101/20 . . Esters of both organic acids and inorganic acids
- 101/22 . . Cellulose xanthate
- 101/24 . . . Viscose
- 101/26 . . Cellulose ethers
- 101/28 . . . Alkyl ethers
- 101/282 . . . . {with halogen-substituted hydrocarbon radicals}
- 101/284 . . . . {with hydroxylated hydrocarbon radicals}
- 101/286 . . . . {substituted with acid radicals (C09D 101/282 takes precedence)}
- 101/288 . . . . {substituted with nitrogen containing radicals}
- 101/30 . . . Aryl ethers; Aralkyl ethers
- 101/32 . . Cellulose ether-esters
- 103/00 Coating compositions based on starch, amylose or amylopectin or on their derivatives or degradation products**
- 103/02 . Starch; Degradation products thereof, e.g. dextrin
- 103/04 . Starch derivatives
- 103/06 . . Esters
- 103/08 . . Ethers
- 103/10 . . Oxidised starch
- 103/12 . Amylose; Amylopectin; Degradation products thereof
- 103/14 . Amylose derivatives; Amylopectin derivatives
- 103/16 . . Esters
- 103/18 . . Ethers
- 103/20 . . Oxidised amylose; Oxidised amylopectin
- 105/00 Coating compositions based on polysaccharides or on their derivatives, not provided for in groups C09D 101/00 or C09D 103/00**
- 105/02 . Dextran; Derivatives thereof
- 105/04 . Alginic acid; Derivatives thereof
- 105/06 . Pectin; Derivatives thereof
- 105/08 . Chitin; Chondroitin sulfate; Hyaluronic acid; Derivatives thereof
- 105/10 . Heparin; Derivatives thereof
- 105/12 . Agar-agar; Derivatives thereof
- 105/14 . Hemicellulose; Derivatives thereof
- 105/16 . Cyclodextrin; Derivatives thereof

#### **Coating compositions based on rubbers or on their derivatives**

- 107/00 Coating compositions based on natural rubber**

107/02	. Latex	123/0846	. . . . {Copolymers of ethene with unsaturated hydrocarbons containing other atoms than carbon or hydrogen atoms}
<b>109/00</b>	<b>Coating compositions based on homopolymers or copolymers of conjugated diene hydrocarbons</b>	123/0853	. . . . {Vinylacetate}
109/02	. Copolymers with acrylonitrile	123/0861	. . . . {Saponified vinylacetate}
109/04	. . Latex	123/0869	. . . . {Acids or derivatives thereof}
109/06	. Copolymers with styrene	123/0876	. . . . {Neutralised polymers, i.e. ionomers}
109/08	. . Latex	123/0884	. . . . {Epoxide containing esters}
109/10	. Latex ( <a href="#">C09D 109/04</a> , <a href="#">C09D 109/08</a> take precedence)	123/0892	. . . . {containing monomers with other atoms than carbon, hydrogen or oxygen atoms}
<b>111/00</b>	<b>Coating compositions based on homopolymers or copolymers of chloroprene</b>	123/10	. . Homopolymers or copolymers of propene
111/02	. Latex	123/12	. . . Polypropene
<b>113/00</b>	<b>Coating compositions based on rubbers containing carboxyl groups</b>	123/14	. . . Copolymers of propene ( <a href="#">C09D 123/16</a> takes precedence)
113/02	. Latex	123/142	. . . . {at least partially crystalline copolymers of propene with other olefins}
<b>115/00</b>	<b>Coating compositions based on rubber derivatives</b> ( <a href="#">C09D 111/00</a> , <a href="#">C09D 113/00</a> take precedence)	123/145	. . . . {Copolymers of propene with monomers having more than one C=C double bond}
115/005	. {Hydrogenated nitrile rubber}	123/147	. . . . {Copolymers of propene with monomers containing other atoms than carbon or hydrogen atoms}
115/02	. Rubber derivatives containing halogen	123/16	. . {Elastomeric} ethene-propene or ethene-propene-diene copolymers, {e.g. EPR and EPDM rubbers}
<b>117/00</b>	<b>Coating compositions based on reclaimed rubber</b>		<b>NOTE</b>
<b>119/00</b>	<b>Coating compositions based on rubbers, not provided for in groups <a href="#">C09D 107/00</a> - <a href="#">C09D 117/00</a></b>		This group is used for polymers comprising both ethylene and propylene
119/003	. {Precrosslinked rubber; Scrap rubber; Used vulcanised rubber}	123/18	. . Homopolymers or copolymers of hydrocarbons having four or more carbon atoms
119/006	. {Rubber characterised by functional groups, e.g. telechelic diene polymers}	123/20	. . . having four to nine carbon atoms
119/02	. Latex	123/22	. . . Copolymers of isobutene; Butyl rubber {Homo- or copolymers of other iso-olefines}
<b>121/00</b>	<b>Coating compositions based on unspecified rubbers</b>	123/24	. . . having ten or more carbon atoms
121/02	. Latex	123/26	. modified by chemical after-treatment
<b>Coating compositions based on organic macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds</b>		123/28	. . by reaction with halogens or compounds containing halogen ( <a href="#">C09D 123/32</a> takes precedence)
<b>123/00</b>	<b>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</b>	123/283	. . . {Halogenated homo- or copolymers of iso-olefines}
123/02	. not modified by chemical after-treatment	123/286	. . . {Chlorinated polyethylene}
123/025	. . {Copolymer of an unspecified olefine with a monomer other than an olefine}	123/30	. . by oxidation
123/04	. . Homopolymers or copolymers of ethene	123/32	. . by reaction with compounds containing phosphorus or sulfur
123/06	. . . Polyethylene	123/34	. . . by chlorosulfonation
123/08	. . . Copolymers of ethene ( <a href="#">C09D 123/16</a> takes precedence)	123/36	. . by reaction with compounds containing nitrogen, e.g. by nitration
123/0807	. . . . {Copolymers of ethene with unsaturated hydrocarbons only containing more than three carbon atoms}	<b>125/00</b>	<b>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</b>
123/0815	. . . . {Copolymers of ethene with aliphatic 1-olefins}	125/02	. Homopolymers or copolymers of hydrocarbons
123/0823	. . . . {Copolymers of ethene with aliphatic cyclic olefins}	125/04	. . Homopolymers or copolymers of styrene
123/083	. . . . {Copolymers of ethene with aliphatic polyenes, i.e. containing more than one unsaturated bond}	125/06	. . . Polystyrene
123/0838	. . . . {Copolymers of ethene with aromatic monomers}	125/08	. . . Copolymers of styrene ( <a href="#">C09D 129/08</a> , <a href="#">C09D 135/06</a> , <a href="#">C09D 155/02</a> 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	131/04	• • Homopolymers or copolymers of vinyl acetate
		131/06	• Homopolymers or copolymers of esters of polycarboxylic acids
		131/08	• • of phthalic acid
<b>127/00</b>	<b>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</b>	<b>133/00</b>	<b>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</b>
127/02	• not modified by chemical after-treatment		
127/04	• • containing chlorine atoms		
127/06	• • • Homopolymers or copolymers of vinyl chloride	133/02	• Homopolymers or copolymers of acids; Metal or ammonium salts thereof
127/08	• • • Homopolymers or copolymers of vinylidene chloride	133/04	• Homopolymers or copolymers of esters {(C09D 143/04 takes precedence)}
127/10	• • containing bromine or iodine atoms		
127/12	• • containing fluorine atoms	133/06	• • of esters containing only carbon, hydrogen and oxygen, the oxygen atom being present only as part of the carboxyl radical
127/14	• • • Homopolymers or copolymers of vinyl fluoride		
127/16	• • • Homopolymers or copolymers of vinylidene fluoride	133/062	• • • {Copolymers with monomers not covered by C09D 133/06}
127/18	• • • Homopolymers or copolymers of tetrafluoroethene	133/064	• • • • {containing anhydride, COOH or COOM groups, with M being metal or onium-cation}
127/20	• • • Homopolymers or copolymers of hexafluoropropene	133/066	• • • • {containing -OH groups}
127/22	• modified by chemical after-treatment	133/068	• • • • {containing glycidyl groups}
127/24	• • halogenated	133/08	• • • Homopolymers or copolymers of acrylic acid esters
<b>129/00</b>	<b>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, aldehydo, 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</b>	133/10	• • • Homopolymers or copolymers of methacrylic acid esters
129/02	• Homopolymers or copolymers of unsaturated alcohols (C09D 129/14 takes precedence)	133/12	• • • • Homopolymers or copolymers of methyl methacrylate
129/04	• • Polyvinyl alcohol; Partially hydrolysed homopolymers or copolymers of esters of unsaturated alcohols with saturated carboxylic acids	133/14	• • of esters containing halogen, nitrogen, sulfur or oxygen atoms in addition to the carboxy oxygen
129/06	• • Copolymers of allyl alcohol	133/16	• • • Homopolymers or copolymers of esters containing halogen atoms
129/08	• • • with vinyl aromatic monomers	133/18	• Homopolymers or copolymers of nitriles
129/10	• Homopolymers or copolymers of unsaturated ethers (C09D 135/08 takes precedence)	133/20	• • Homopolymers or copolymers of acrylonitrile (C09D 155/02 takes precedence)
129/12	• Homopolymers or copolymers of unsaturated ketones	133/22	• • Homopolymers or copolymers of nitriles containing four or more carbon atoms
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	133/24	• Homopolymers or copolymers of amides or imides
		133/26	• • Homopolymers or copolymers of acrylamide or methacrylamide
<b>131/00</b>	<b>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</b>	<b>135/00</b>	<b>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</b>
		135/02	• Homopolymers or copolymers of esters (C09D 135/06, C09D 135/08 take precedence)
		135/04	• Homopolymers or copolymers of nitriles (C09D 135/06, C09D 135/08 take precedence)
		135/06	• Copolymers with vinyl aromatic monomers
131/02	• Homopolymers or copolymers of esters of monocarboxylic acids	135/08	• Copolymers with vinyl ethers



<b>137/00</b>	<b>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 <a href="#">C09D 131/00</a>; based on polymers of cyclic anhydrides of unsaturated acids <a href="#">C09D 135/00</a>); Coating compositions based on derivatives of such polymers</b>	<b>149/00</b>	<b>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</b>
<b>139/00</b>	<b>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</b>	<b>151/00</b>	<b>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 <a href="#">C09D 155/02</a>); Coating compositions based on derivatives of such polymers</b>
139/02	• Homopolymers or copolymers of vinylamine	151/003	• {grafted on to macromolecular compounds obtained by reactions only involving unsaturated carbon-to-carbon bonds ( <a href="#">C09D 151/04</a> , <a href="#">C09D 151/06</a> take precedence)}
139/04	• Homopolymers or copolymers of monomers containing heterocyclic rings having nitrogen as ring member	151/006	• {grafted on to block copolymers containing at least one sequence of polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds}
139/06	• • Homopolymers or copolymers of N-vinyl-pyrrolidones	151/02	• grafted on to polysaccharides
139/08	• • Homopolymers or copolymers of vinyl-pyridine	151/04	• grafted on to rubbers
<b>141/00</b>	<b>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</b>	151/06	• grafted on to homopolymers or copolymers of aliphatic hydrocarbons containing only one carbon-to-carbon double bond
<b>143/00</b>	<b>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</b>	151/08	• grafted on to macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds
143/02	• Homopolymers or copolymers of monomers containing phosphorus	151/085	• • {on to polysiloxanes}
143/04	• Homopolymers or copolymers of monomers containing silicon	151/10	• grafted on to inorganic materials
<b>145/00</b>	<b>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 <a href="#">C09D 131/00</a>; based on polymers of cyclic anhydrides or imides <a href="#">C09D 135/00</a>)</b>	<b>153/00</b>	<b>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</b>
145/02	• Coumarone-indene polymers	153/005	• {Modified block copolymers}
<b>147/00</b>	<b>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 (<a href="#">C09D 145/00</a> takes precedence; based on conjugated diene rubbers <a href="#">C09D 109/00</a> - <a href="#">C09D 121/00</a>)</b>	153/02	• Vinyl aromatic monomers and conjugated dienes
		153/025	• • {modified}
		<b>155/00</b>	<b>Coating compositions based on homopolymers or copolymers, obtained by polymerisation reactions only involving carbon-to-carbon unsaturated bonds, not provided for in groups <a href="#">C09D 123/00</a> - <a href="#">C09D 153/00</a></b>
		155/005	• {Homopolymers or copolymers obtained by polymerisation of macromolecular compounds terminated by a carbon-to-carbon double bond}
		155/02	• ABS [Acrylonitrile-Butadiene-Styrene] polymers
		155/04	• Polyadducts obtained by the diene synthesis
		<b>157/00</b>	<b>Coating compositions based on unspecified polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds</b>
		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

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

- 159/00** Coating compositions based on polyacetals; Coating compositions based on derivatives of polyacetals
- 159/02 . Polyacetals containing polyoxymethylene sequence only
- 159/04 . Copolyoxymethylenes
- 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
- 161/02 . Condensation polymers of aldehydes or ketones only
- 161/04 . Condensation polymers of aldehydes or ketones with phenols only
- 161/06 . . of aldehydes with phenols
- 161/12 . . . with polyhydric phenols
- 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](#))
- 161/22 . . of aldehydes with acyclic or carbocyclic compounds
- 161/24 . . . with urea or thiourea
- 161/26 . . of aldehydes with heterocyclic compounds
- 161/28 . . . with melamine
- 161/30 . . of aldehydes with heterocyclic and acyclic or carbocyclic compounds
- 161/32 . . Modified amine-aldehyde condensates
- 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](#)
- 163/00** Coating compositions based on epoxy resins; Coating compositions based on derivatives of epoxy resins
- 163/04 . Epoxynovolacs
- 163/06 . Triglycidylisocyanurates
- 163/08 . Epoxidised polymerised polyenes
- 163/10 . Epoxy resins modified by unsaturated compounds

**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.

- 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
- 165/02 . Polyphenylenes

- 165/04 . Polyxylylenes
- 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
- 167/02 . Polyesters derived from dicarboxylic acids and dihydroxy compounds ([C09D 167/06](#) takes precedence)
- 167/025 . . {containing polyether sequences}
- 167/03 . . the dicarboxylic acids and dihydroxy compounds having the carboxyl - and the hydroxy groups directly linked to aromatic rings
- 167/04 . Polyesters derived from hydroxycarboxylic acids, e.g. lactones ([C09D 167/06](#) takes precedence)
- 167/06 . Unsaturated polyesters having carbon-to-carbon unsaturation
- 167/07 . . having terminal carbon-to-carbon unsaturated bonds
- 167/08 . Polyesters modified with higher fatty oils or their acids, or with natural resins or resin acids
- 169/00** Coating compositions based on polycarbonates; Coating compositions based on derivatives of polycarbonates
- 169/005 . {Polyester-carbonates}
- 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
- 171/02 . Polyalkylene oxides
- 171/03 . . Polyepihalohydrins
- 171/08 . Polyethers derived from hydroxy compounds or from their metallic derivatives ([C09D 171/02](#) takes precedence) {not used}
- 171/10 . . from phenols {not used}
- 171/12 . . . Polyphenylene oxides
- 171/14 . . Furfuryl alcohol polymers
- 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
- 173/02 . Polyanhydrides
- 175/00** Coating compositions based on polyureas or polyurethanes; Coating compositions based on derivatives of such polymers
- 175/02 . Polyureas
- 175/04 . Polyurethanes
- 175/06 . . from polyesters
- 175/08 . . from polyethers
- 175/10 . . from polyacetals
- 175/12 . . from compounds containing nitrogen and active hydrogen, the nitrogen atom not being part of an isocyanate group

175/14	. . Polyurethanes having carbon-to-carbon unsaturated bonds				
175/16	. . . having terminal carbon-to-carbon unsaturated bonds				
<b>177/00</b>	<b>Coating compositions based on polyamides obtained by reactions forming a carboxylic amide link in the main chain (based on polyhydrazides <a href="#">C09D 179/06</a>; based on polyamide-imides <a href="#">C09D 179/08</a>); Coating compositions based on derivatives of such polymers</b>				composition is identified with the C-Set, e.g. ( <a href="#">C09D 183/04</a> , <a href="#">C08L 83/04</a> ) (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. <a href="#">C08G 77/12</a> and <a href="#">C08G 77/20</a> .
177/02	. Polyamides derived from omega-amino carboxylic acids or from lactams thereof ( <a href="#">C09D 177/10</a> takes precedence)	183/02	. Polysilicates		
177/04	. Polyamides derived from alpha-amino carboxylic acids ( <a href="#">C09D 177/10</a> takes precedence)	183/04	. Polysiloxanes		
177/06	. Polyamides derived from polyamines and polycarboxylic acids ( <a href="#">C09D 177/10</a> takes precedence)	183/06	. . containing silicon bound to oxygen-containing groups ( <a href="#">C09D 183/12</a> takes precedence)		
177/08	. . from polyamines and polymerised unsaturated fatty acids	183/08	. . containing silicon bound to organic groups containing atoms other than carbon, hydrogen, and oxygen		
177/10	. Polyamides derived from aromatically bound amino and carboxyl groups of amino carboxylic acids or of polyamines and polycarboxylic acids	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 <a href="#">C09D 151/08</a> , <a href="#">C09D 153/00</a> )		
177/12	. Polyester-amides	183/12	. . containing polyether sequences		
<b>179/00</b>	<b>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 <a href="#">C09D 161/00</a> - <a href="#">C09D 177/00</a></b>	183/14	. in which at least two but not all the silicon atoms are connected by linkages other than oxygen atoms ( <a href="#">C09D 183/10</a> takes precedence)		
179/02	. Polyamines	183/16	. in which all the silicon atoms are connected by linkages other than oxygen atoms		
179/04	. Polycondensates having nitrogen-containing heterocyclic rings in the main chain; Polyhydrazides; Polyamide acids or similar polyimide precursors	<b>185/00</b>	<b>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</b>		
179/06	. . Polyhydrazides; Polytriazoles; Polyamino-triazoles; Polyoxadiazoles	185/02	. containing phosphorus		
179/08	. . Polyimides; Polyester-imides; Polyamide-imides; Polyamide acids or similar polyimide precursors	185/04	. containing boron		
179/085	. . . {Unsaturated polyimide precursors}	<b>187/00</b>	<b>Coating compositions based on unspecified macromolecular compounds, obtained otherwise than by polymerisation reactions only involving unsaturated carbon-to-carbon bonds</b>		
<b>181/00</b>	<b>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</b>	187/005	. {Block or graft polymers not provided for in groups <a href="#">C09D 101/00</a> - <a href="#">C09D 185/04</a> }		
181/02	. Polythioethers; Polythioether-ethers	<b>Coating compositions based on natural macromolecular compounds or on derivatives thereof (based on polysaccharides <a href="#">C09D 101/00</a> - <a href="#">C09D 105/00</a>; based on natural rubber <a href="#">C09D 107/00</a>)</b>			
181/04	. Polysulfides	<b>189/00</b>	<b>Coating compositions based on proteins; Coating compositions based on derivatives thereof (foodstuff preparations <a href="#">A23J 3/00</a>)</b>		
181/06	. Polysulfones; Polyethersulfones	189/005	. {Casein}		
181/08	. Polysulfonates	189/02	. Casein-aldehyde condensates		
181/10	. Polysulfonamides; Polysulfonimides	189/04	. Products derived from waste materials, e.g. horn, hoof or hair		
<b>183/00</b>	<b>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</b>	189/06	. . derived from leather or skin		
<b>NOTE</b>	In this main group and its subgroups, from 01.09.2010 onwards, new documents are classified according to the following system. The coating	<b>191/00</b>	<b>Coating compositions based on oils, fats or waxes; Coating compositions based on derivatives thereof (polishing compositions, ski waxes <a href="#">C09G</a>; soaps, detergent compositions <a href="#">C11D</a>)</b>		
		191/005	. {Drying oils}		
		191/02	. Vulcanised oils, e.g. factice		
		191/04	. Linoxyn		
		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