C09F

NATURAL RESINS; FRENCH POLISH; DRYING-OILS; DRIERS (SICCATIVES); TURPENTINE

Definition statement

This place covers:
Natural resins, French polish, drying-oils, driers or turpentine per se.

Obtaining, purification, or chemical modification of natural resins, e.g. oleo-resins.

Obtaining spirits of turpentine.

Obtaining drying-oils.

Chemical modification of drying oils, e.g. oxidising, voltolising; Apparatus therefor.

Compounds to be used as driers (siccatives).

Preparation of French polish.

Relationships with other classification places

The preparation of synthetic oil by polymerisation is classified in C08F or C08G.

The modification of drying-oils by copolymerisation is classified in C08F.

The polycondensation of drying-oils is classified in C08G.

Resin soaps are classified in C11D.

References

Limiting references

This place does not cover:

| Natural rubber, modifications | C08C 1/00 |
| Vulcanised oils, e.g. factice    | C08H 3/00 |
| Natural rubber, compositions     | C08L 7/00 |
| Compositions of natural resins  | C08L 93/00 |
| Polishing compositions         | C09G 1/00 |
| Thickening of hydrocarbon oils or fatty oils by voltolising | C10G 71/02 |
| Chemical modification of oils   | C11C 3/00 |

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

<table>
<thead>
<tr>
<th>Drying-oil</th>
<th>Unsaturated fatty oil, such as linseed oil, tung oil, poppy seed oil, perilla oil and walnut oil, that becomes hard, tough and elastic upon exposure to the air when spread into a thin film.</th>
</tr>
</thead>
<tbody>
<tr>
<td>French polishing</td>
<td>Wood finishing technique for wooden furniture that results in a very high gloss, deep colour and tough surface; it consists of applying many thin coats of shellac using a rubbing pad.</td>
</tr>
</tbody>
</table>
Natural resin
A resin of natural origin, being obtained, except for shellac and natural rubber, from the secretions of certain trees, which exude the resin when the bark is wounded. The initial liquid exuding from a wounded tree is an oleoresin containing the natural resin plus some oils.

Shellac
A natural resin of animal origin produced by refining the secretion of the shell louse. The resin consists of a complex mixture of esters mostly based on aleuritic acid.

Siccative
Drying agent; a substance that promotes drying, e.g. linseed or flax seed oil.

Turpentine
Resinous exudate or extract obtained from coniferous trees, particularly those of the genus Pinus. The main components of turpentines are mono and bicyclic monoterpenes.

Voltolising
Subjecting oils to treatment with an electric discharge.

**C09F 1/00**

Obtaining purification, or chemical modification of natural resins, e.g. oleo-resins

**Definition statement**

_This place covers:_

Processes for obtaining natural resins from their source material

Purification processes

Chemical modification, e.g. esterification

**C09F 3/00**

Obtaining spirits of turpentine

**Definition statement**

_This place covers:_

Obtaining spirits of turpentine, e.g. as a by-product in the paper-pulping process

**C09F 5/00**

Obtaining drying-oils (preparation of synthetic oil by polymerisation C08F, C08G)

**Definition statement**

_This place covers:_

Apparatus and methods for preparing varnishes or paints;

Synthetic drying oils and chemically modified drying oils;

Hydrocarbons or derivatives thereof explicitly defined as being intended as substitutes of drying oils in varnishes and paints.
C09F 7/00

Chemical modification of drying oils (modifying by copolymerisation C08F; polycondensation C08G; factice C08H)

Definition statement
This place covers:
Chemical modification of drying oils, e.g. by oxidation, fractioning or isomerisation.

References
Limiting references
This place does not cover:

<table>
<thead>
<tr>
<th>Modification</th>
<th>Classifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modifying by copolymerisation</td>
<td>C08F</td>
</tr>
<tr>
<td>Polycondensation</td>
<td>C08G</td>
</tr>
<tr>
<td>Factice</td>
<td>C08H</td>
</tr>
</tbody>
</table>

C09F 9/00

Compounds to be used as driers (siccatives)

Definition statement
This place covers:
Driers for oxidative drying systems.

C09F 11/00

Preparation of French polish

Definition statement
This place covers:
French polish compositions e.g. based on shellac, suitable for obtaining a high gloss "French Polish" finish.

Methods for preparing French polish compositions.

Resins explicitly defined as being intended to substitute shellac in e.g. French polish.