

# CPC COOPERATIVE PATENT CLASSIFICATION

## C CHEMISTRY; METALLURGY

(NOTES omitted)

### CHEMISTRY

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

### C08C TREATMENT OR CHEMICAL MODIFICATION OF RUBBERS

#### NOTE

This subclass covers:

- processes directed to natural rubber or to conjugated diene rubbers
- processes directed to rubbers in general.

#### 1/00 Treatment of rubber latex

- 1/02 . Chemical or physical treatment of rubber latex before or during concentration
- 1/04 . . Purifying; Deproteinising
- 1/06 . . Preservation of rubber latex
- 1/065 . . Increasing the size of dispersed rubber particles
- 1/07 . . . characterised by the agglomerating agents used
- 1/075 . . Concentrating
- 1/08 . . . with the aid of creaming agents
- 1/10 . . . by centrifugation
- 1/12 . . . by evaporation
- 1/14 . Coagulation

#### WARNING

Group [C08C 1/14](#) is impacted by reclassification into group [C08C 1/16](#).

Groups [C08C 1/14](#) and [C08C 1/16](#) should be considered in order to perform a complete search.

- 1/145 . . {Heat-sensitising agents}
- 1/15 . . characterised by the coagulants used
- 1/16 . . in floc form

#### WARNING

Group [C08C 1/16](#) is incomplete pending reclassification of documents from group [C08C 1/14](#).

Groups [C08C 1/14](#) and [C08C 1/16](#) should be considered in order to perform a complete search.

#### 2/00 Treatment of rubber solutions

- 2/02 . Purification
- 2/04 . . Removal of catalyst residues
- 2/06 . Winning of rubber from solutions

#### 3/00 Treatment of coagulated rubber

- 3/02 . Purification

#### 4/00 Treatment of rubber before vulcanisation, not provided for in groups [C08C 1/00](#) - [C08C 3/02](#)

#### 19/00 Chemical modification of rubber

#### NOTE

{In this group the last place rule is not applied. A process is classified at all appropriate places.}

#### WARNING

Group [C08C 19/00](#) is impacted by reclassification into group [C08C 19/085](#).

Groups [C08C 19/00](#) and [C08C 19/085](#) should be considered in order to perform a complete search.

- 19/02 . Hydrogenation
- 19/04 . Oxidation
- 19/06 . . Epoxidation
- 19/08 . Depolymerisation

#### WARNING

Group [C08C 19/08](#) is impacted by reclassification into group [C08C 19/085](#).

Groups [C08C 19/08](#) and [C08C 19/085](#) should be considered in order to perform a complete search.

- 19/085 . {Devulcanisation}

#### WARNING

Group [C08C 19/085](#) is incomplete pending reclassification of documents from groups [C08C 19/00](#) and [C08C 19/08](#).

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

- 19/10 . Isomerisation; Cyclisation
- 19/12 . Incorporating halogen atoms into the molecule
- 19/14 . . by reaction with halogens
- 19/16 . . by reaction with hydrogen halides
- 19/18 . . by reaction with hydrocarbons substituted by halogen
- 19/20 . Incorporating sulfur atoms into the molecule
- 19/22 . Incorporating nitrogen atoms into the molecule
- 19/24 . Incorporating phosphorus atoms into the molecule
- 19/25 . Incorporating silicon atoms into the molecule

## C08C

- 19/26 . Incorporating metal atoms into the molecule
- 19/28 . Reaction with compounds containing carbon-to-carbon unsaturated bonds ([graft polymers C08F 279/00](#))
- 19/30 . Addition of a reagent which reacts with a hetero atom or a group containing hetero atoms of the macromolecule
- 19/32 . . reacting with halogens or halogen-containing groups
- 19/34 . . reacting with oxygen or oxygen-containing groups
- 19/36 . . . with carboxy radicals
- 19/38 . . . with hydroxy radicals
- 19/40 . . . with epoxy radicals
- 19/42 . . reacting with metals or metal-containing groups
- 19/44 . . . of polymers containing metal atoms exclusively at one or both ends of the skeleton