

# CPC COOPERATIVE PATENT CLASSIFICATION

## C08C TREATMENT OR CHEMICAL MODIFICATION OF RUBBERS

### NOTE

This subclass includes:

- processes directed to natural rubber or to conjugated diene rubber (synthesis thereof [C08F](#))
- processes directed to rubbers in general (to a specified rubber, other than provided for by (a) above, [C08F](#) - [C08H](#))

### WARNING

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

[C08C 1/16](#)

covered by

[C08C 1/14](#)

- |             |   |       |  |
|-------------|---|-------|--|
| <b>1/00</b> | <b>Treatment of rubber latex</b>  | 19/28 | • Reaction with compounds containing carbon-to-carbon unsaturated bonds ( <a href="#">graft polymers C08F 279/00</a> ) |
| 1/02        | • Chemical or physical treatment of rubber latex before or during concentration   |       |  |
| 1/04        | • . Purifying; Deproteinising   | 19/30 | • Addition of a reagent which reacts with a hetero atom or a group containing hetero atoms of the macromolecule        |
| 1/06        | • . Preservation of rubber latex  |       |  |
| 1/065       | • . Increasing the size of dispersed rubber particles   |       |  |
| 1/07        | • . . characterised by the agglomerating agents used  | 19/32 | • . reacting with halogens or halogen-containing groups  |
| 1/075       | • . Concentrating   |       |  |
| 1/08        | • . . with the aid of creaming agents   | 19/34 | • . reacting with oxygen or oxygen-containing groups   |
| 1/10        | • . . by centrifugation   |       |  |
| 1/12        | • . . by evaporation  | 19/36 | • . . with carboxy radicals  |
| 1/14        | • Coagulation   | 19/38 | • . . with hydroxy radicals  |
| 1/145       | • . {Heat-sensitising agents}   | 19/40 | • . . with epoxy radicals  |
| 1/15        | • . characterised by the coagulants used  | 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                               |
| <b>2/00</b> | <b>Treatment of rubber solutions</b>  |       |  |
| 2/02        | • Purification  |       |  |
| 2/04        | • . Removal of catalyst residues  |       |  |
| 2/06        | • Wining of rubber from solutions   |       |  |
| <b>3/00</b> | <b>Treatment of coagulated rubber</b>   |       |  |
| 3/02        | • Purification  |       |  |
| <b>4/00</b> | <b>Treatment of rubber before vulcanisation, not provided for in groups <a href="#">C08C 1/00</a> - <a href="#">C08C 3/02</a></b> |       |  |

## 19/00 Chemical modification of rubber

### NOTE

In the absence of an indication to the contrary a process is classified in the last appropriate place

- |         |  |
|---------|--|
| 19/02   | • Hydrogenation  |
| 19/04   | • Oxidation  |
| 19/06   | • . Epoxidation  |
| 19/08   | • Depolymerisation                                       |
| 2019/09 | • {Metathese}  |
| 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          |
| 19/26   | • Incorporating metal atoms into the molecule            |