

# 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.

### 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:

[C08C 1/16](#)

covered by

[C08C 1/14](#)

<b>1/00</b>	<b>Treatment of rubber latex</b>	19/14	. . by reaction with halogens
1/02	. Chemical or physical treatment of rubber latex before or during concentration	19/16	. . by reaction with hydrogen halides
1/04	. . Purifying; Deproteinising	19/18	. . by reaction with hydrocarbons substituted by halogen
1/06	. . Preservation of rubber latex	19/20	. Incorporating sulfur atoms into the molecule
1/065	. . Increasing the size of dispersed rubber particles	19/22	. Incorporating nitrogen atoms into the molecule
1/07	. . . characterised by the agglomerating agents used	19/24	. Incorporating phosphorus atoms into the molecule
1/075	. . Concentrating	19/25	. Incorporating silicon atoms into the molecule
1/08	. . . with the aid of creaming agents	19/26	. Incorporating metal atoms into the molecule
1/10	. . . by centrifugation	19/28	. Reaction with compounds containing carbon-to-carbon unsaturated bonds ( <a href="#">graft polymers C08F 279/00</a> )
1/12	. . . by evaporation		
1/14	. Coagulation		
1/145	. . {Heat-sensitising agents}	19/30	. Addition of a reagent which reacts with a hetero atom or a group containing hetero atoms of the macromolecule
1/15	. . characterised by the coagulants used		
<b>2/00</b>	<b>Treatment of rubber solutions</b>	19/32	. . reacting with halogens or halogen-containing groups
2/02	. Purification		
2/04	. . Removal of catalyst residues	19/34	. . reacting with oxygen or oxygen-containing groups
2/06	. Wining of rubber from solutions		
<b>3/00</b>	<b>Treatment of coagulated rubber</b>	19/36	. . . with carboxy radicals
3/02	. Purification	19/38	. . . with hydroxy radicals
		19/40	. . . with epoxy radicals
<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>	19/42	. . reacting with metals or metal-containing groups
		19/44	. . . of polymers containing metal atoms exclusively at one or both ends of the skeleton
<b>19/00</b>	<b>Chemical modification of rubber</b>		

### 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