

# CPC COOPERATIVE PATENT CLASSIFICATION

## C CHEMISTRY; METALLURGY

(NOTES omitted)

### CHEMISTRY

## C08 ORGANIC MACROMOLECULAR COMPOUNDS; THEIR PREPARATION OR CHEMICAL WORKING-UP; COMPOSITIONS BASED THEREON (manufacture or treatment of artificial threads, fibres, bristles or ribbons [D01](#))

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

### 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