

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 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](#)

1/00	Treatment of rubber latex	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 (graft polymers C08F 279/00)
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
2/00	Treatment of rubber solutions		
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
3/00	Treatment of coagulated rubber		
3/02	• Purification	19/36	• • • with carboxy radicals
		19/38	• • • with hydroxy radicals
4/00	Treatment of rubber before vulcanisation, not provided for in groups C08C 1/00 - C08C 3/02	19/40	• • • with epoxy radicals
		19/42	• • reacting with metals or metal-containing groups
19/00	Chemical modification of rubber	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