EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1754

DATE: JANUARY 1, 2025

PROJECT RP12019

The following classification changes will be effected by this Notice of Changes:

Action	Subclass	Group(s)
SCHEME:		
Symbols Deleted:	C08C	2019/09
Symbols New:	C08C	1/16
	C08C	19/085
Titles Changed:	C08C	2/06
Warnings Deleted:	C08C	SUBCLASS
Warnings New:	C08C	1/14, 1/16
	C08C	19/00, 19/08, 19/085
Notes Modified:	C08C	19/00
DEFINITIONS:		
Definitions Modified:	C08C	SUBCLASS
	C08C	1/00, 2/00, 3/00, 19/00, 19/44

The following groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL):
C08J11/10

This Notice of Changes includes the following *[Check the ones included]:*

1. CLASSIFICATION SCHEME CHANGES

    ☒ A. New, Modified or Deleted Group(s)

    ☒ B. New, Modified or Deleted Warning(s)

    ☒ C. New, Modified or Deleted Note(s)

    ☐ D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

    ☒ A. New or Modified Definitions (Full definition template)

    ☐ B. Modified or Deleted Definitions (Definitions Quick Fix)

3. ☒ REVISION CONCORDANCE LIST (RCL)

4. ☒ CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5. ☒ CHANGES TO THE CROSS-REFERENCE LIST (CRL)

DATE: JANUARY 1, 2025

PROJECT RP12019

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS C08C - TREATMENT OR CHEMICAL MODIFICATION OF RUBBERS

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
U	C08C	Subclass	TREATMENT OR CHEMICAL MODIFICATION OF RUBBERS	
C	C08C1/14	1	Coagulation	C08C1/14, C08C1/16
U	C08C1/15	2	characterised by the coagulants used	
N	C08C1/16	2	in floc form	
M	C08C2/06	1	Winning of rubber from solutions	
C	C08C19/00	0	Chemical modification of rubber	C08C19/00, C08C19/085
C	C08C19/08	1	Depolymerisation	C08C19/08, C08C19/085
N	C08C19/085	1	{Devulcanisation}	
D	C08C2019/09	1	{Metathese}	<administrative transfer to C08C19/00>

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T = existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:
- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required "anchor" symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- "Transferred to" column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the "Transferred to" column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: "<administrative transfer to XX>", "<administrative transfer to XX and YY simultaneously>", or "<administrative transfer to XX, YY, ...and ZZ simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be "additional information".
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations "ADD" or "INV": <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or <administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the "D" entries of 2000-series or Y-series groups may not require a destination ("Transferred to") symbol, however it is required to specify "<no transfer>" in the "Transferred to" column for such cases.

CPC NOTICE OF CHANGES 1754

DATE: JANUARY 1, 2025

PROJECT RP12019

- For finalization projects, the deleted "F" symbols should have <no transfer> in the "Transferred to" column.
- For more details about the types of scheme change, see CPC Guide.

B. New, Modified or Deleted Warning notice(s)

SUBCLASS C08C - TREATMENT OR CHEMICAL MODIFICATION OF RUBBERS

Type*	Location	Old Warning notice	New/Modified Warning
D	C08C	The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups: C08C1/16 covered by C08C1/14	Delete entire warning
N	C08C1/14		Group C08C1/14 is impacted by reclassification into group C08C1/16. Groups C08C1/14 and C08C1/16 should be considered in order to perform a complete search.
N	C08C1/16		Group C08C1/16 is incomplete pending reclassification of documents from group C08C1/14. Groups C08C1/14 and C08C1/16 should be considered in order to perform a complete search.
N	C08C19/00		Group C08C19/00 is impacted by reclassification into group C08C19/085. Groups C08C19/00 and C08C19/085 should be considered in order to perform a complete search.
N	C08C19/08		Group C08C19/08 is impacted by reclassification into group C08C19/085. Groups C08C19/08 and C08C19/085 should be considered in order to perform a complete search.
N	C08C19/085		Group C08C19/085 is incomplete pending reclassification of documents from groups C08C19/00 and C08C19/08. All groups listed in this Warning should be considered in order to perform a complete search.

*N = new warning, M = modified warning, D = deleted warning

NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

C. New, Modified or Deleted Note(s)

SUBCLASS C08C - TREATMENT OR CHEMICAL MODIFICATION OF RUBBERS

Type*	Location	Old Note	New/Modified Note
M	C08C19/00	In the absence of an indication to the contrary a process is classified in the last appropriate place	{In this group the last place rule is not applied. A process is classified at all appropriate places.}

*N = new note, M = modified note, D = deleted note

NOTE: The "Location" column only requires the symbol PRIOR to the location of the note. No further directions such as "before" or "after" are required.

2. A. DEFINITIONS (modified)

C08C

Definition statement

Replace: The existing Definition statement with the following updated statement.

- Processes directed to natural rubber or to conjugated diene rubber.
- Treatment of diene rubber.
- Chemical modification of diene rubber, e.g. chemical reaction on the chain end after living polymerization.

Relationships with other classification places

Replace: The existing Relationships text with the following updated text.

Homopolymers or copolymers of dienes are classified in C08F36/00, C08F136/00 or C08F236/00.

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

Attention is drawn to the following places, which may be of interest for search:

Post-polymerisation treatment of addition polymers other than dienes	C08F6/00
Chemical modification of addition polymers other than dienes	C08F8/00
Preparation of living diene homopolymers or copolymers using anionic catalysts	C08F36/04
Macromolecular compounds obtained by polymerising monomers on to polymers of monomers having two or more carbon-to-carbon double bonds as defined in group C08F36/00, e.g. graft polymers	C08F279/00

Macromolecular compounds obtained by interreacting polymers in the absence of monomers, e.g. block polymers or coupled polymers, in which one or more of the polymers is obtained by reactions involving only carbon-to-carbon unsaturated bonds	C08G81/02
Compositions of natural rubber	C08L7/00
Compositions of rubber derivatives, e.g. modified rubber	C08L15/00
Compositions of rubbers not provided for in groups C08L7/00 - C08L17/00, e.g. rubber characterised by functional groups or telechelic diene polymers	C08L19/00
Compositions of copolymers of ethene-propene or ethene-propene-diene, e.g. EPM or EPDM rubber	C08L23/16
Compositions of copolymers of isobutene, e.g. with minor parts of conjugated dienes monomers; Butyl rubber; Homopolymers of copolymers of other iso-olefins	C08L23/22
Compositions of homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, at least one having two or more carbon-to-carbon double bonds, e.g. unconjugated diene polymers; Compositions of derivatives of such polymers	C08L47/00

Delete: The entire Special rules section.

Glossary of terms

Replace: The initial capital letters of the existing Glossary of terms table with lowercase letters, so that the updated table appears as follows. Both the left and right columns should be made lowercase.

diene rubber	homopolymer or copolymer of compounds having as the major part one or more unsaturated aliphatic radicals, at least one having two or more carbon-to-carbon double bonds

Synonyms and Keywords

Replace: The <u>right column</u> text in the following <u>two</u> rows of the existing Synonyms and Keywords table. The other rows remain unchanged.

IIR	Isobutylene isoprene rubber or butyl rubber
NBR	Nitrile butadiene rubber or acrylonitrile-butadiene rubber

C08C1/00

Definition statement

Replace: The existing Definition statement with the following updated statement.

- Chemical or physical treatment of rubber latex before or during concentration, e.g. purifying, deproteinising, preserving or concentrating of rubber latex.
- Coagulation of rubber latex.

References

Informative references

Replace: The existing Informative references table with the following updated table.

Use of inorganic or non-macromolecular organic substances as compounding ingredients, e.g. preserving ingredients	C08K

C08C2/00

Definition statement

Replace: The existing Definition statement with the following updated statement.

Treatment of rubber solutions, e.g. by purification, removal of catalyst residues or winning of rubber from the rubber solutions.

C08C3/00

Definition statement

Insert: A period at the end of the existing Definition statement, so that the updated statement appears as follows.

Treatment of coagulated rubber, e.g. by purification.

C08C19/00

Definition statement

Replace: The existing Definition statement with the following updated statement.

Chemical modification of rubber after polymerisation, e.g. hydrogenation, oxidation, depolymerisation, isomerisation, cyclisation, incorporation of halogen, sulphur, nitrogen, phosphorus, silicon or metal atoms into the molecule, reaction with compounds containing carbon-to-carbon unsaturated bonds or addition of a reagent which reacts with a hetero atom or a group containing hetero atoms of the macromolecule.

References

Informative references

Replace: The existing Informative references table with the following updated table.

Use of inorganic or non-macromolecular organic substances as compounding ingredients, e.g. using crosslinking agents	C08K

Special rules of classification

Replace: The existing Special rules text with the following updated text.

In C08C19/00 - C08C19/44, the last place rule is not applied. A process is classified at all appropriate places.

C08C19/44

Definition statement

Replace: The existing Definition statement with the following updated statement.

Processes directed to the addition of a reagent which reacts with a hetero atom or a group containing heteroatoms of the macromolecule containing metal atoms exclusively at one or both ends of the macromolecule, e.g. chemical reaction on the chain end after living polymerisation.

Glossary of terms

Replace: The existing Glossary of terms table with the following updated table.

heteroatoms	refers to atoms at the end of the macromolecular chain that are not carbon or hydrogen. Metals are also heteroatoms.

DATE: JANUARY 1, 2025

PROJECT RP12019

3.   REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	C08C1/14	C08C1/14, C08C1/16
C	C08C19/00	C08C19/00, C08C19/085
C	C08C19/08	C08C19/08, C08C19/085
D	C08C2019/09	<administrative transfer to C08C19/00>

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:
- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the "To" column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: "<administrative transfer to XX>", "<administrative transfer to XX and YY simultaneously>", or "<administrative transfer to XX, YY, ...and ZZ simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be "additional information".
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations "ADD" or "INV": <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or <administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the "D" entries of 2000-series or Y-series groups may not require a destination ("To") symbol, however it is required to specify "<no transfer>" in the "To" column for such cases.
- RCL is not needed for finalisation projects.

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

CPC	IPC	Action*
C08C1/16	C08C1/16	NEW
C08C19/085	C08C19/00	NEW
C08C2019/09		DELETE

*Action column:
- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with "NEW."
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with "UPDATED."
- For a (D) CPC entry or indexing entry complete the Action column with "DELETE." IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with "NEW".
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with "CPCONLY" and complete the action column with "NEW".

NOTES:
- F symbols are not included in the CICL table above.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

5. CROSS-REFERENCE LIST (CRL)

Definitions references impacted by this revision project

Location of reference to be changed	Referenced subclass or group to be changed	Section of definition	Action; New reference symbol; New text
C08J11/10	C08C19/08	Informative References	Insert a new informative reference row after C08C19/08: Devulcanisation of rubber C08C19/085

NOTES:
- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions inside the project scope will be reflected in the "scheme change" template or one of the "definition" templates.
- In addition to other changes proposed in the tables above, in the column titled "Referenced subclass or group to be changed," **referenced** D symbols should indicate an action of "delete" or should indicate a replacement symbol and **referenced** F symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.