EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1027

DATE: JANUARY 1, 2021

PROJECT RP0670

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

Action	**Subclass**	**Group(s)**
SCHEME:		
Symbols New:	C08F	2400/04, 2410/06, 2410/07, 2410/08, 2420/07, 2420/08, 2420/09, 2420/10, 2420/11, 2420/12, 2500/055, 2500/27, 2500/28, 2500/29, 2500/30, 2500/31, 2500/32, 2500/33, 2500/34, 2500/35, 2500/36, 2500/37, 2500/38, 2500/39
Titles Changed:	C08F	2410/00, 2420/05, 2420/06, 2500/00, 2500/01, 2500/02, 2500/03, 2500/04, 2500/06, 2500/07, 2500/08
Notes Modified	C08F	2500/00

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)

CPC NOTICE OF CHANGES 1027

DATE: JANUARY 1, 2021

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS C08F - MACROMOLECULAR COMPOUNDS OBTAINED BY REACTIONS ONLY INVOLVING CARBON-TO-CARBON UNSATURATED BONDS

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	C08F 2400/02	1	Control or adjustment of polymerization parameters	
N	C08F 2400/04	1	High pressure, i.e. P > 50 MPa , 500 bars or 7250 psi	
M	C08F 2410/00	0	Features related to the catalyst preparation, the catalyst use or to the deactivation of the catalyst	
U	C08F 2410/05	1	Transitioning, i.e. transition from one catalyst to another with use of a deactivating agent	
N	C08F 2410/06	1	Catalyst characterized by its size	
N	C08F 2410/07	1	Catalyst support treated by an anion, e.g. $Cl^{(-)}$, $F^{(-)}$, $SO_4^{(-)}$	
N	C08F 2410/08	1	Presence of a deactivator	
M	C08F 2420/05	1	Cp or analog where at least one of the carbon atoms of the coordinating ring is replaced by a heteroatom	
M	C08F 2420/06	1	Cp analog where at least one of the carbon atoms of the non-coordinating part of the condensed ring is replaced by a heteroatom	
N	C08F 2420/07	1	Heteroatom-substituted Cp, i.e. Cp or analog where at least one of the substituent of the Cp or analog ring is or contains a heteroatom	
N	C08F 2420/08	1	Heteroatom bridge, i.e. Cp or analog where the bridging atom linking the two Cps or analogs is a heteroatom different from Si	
N	C08F 2420/09	1	Cyclic bridge, i.e. Cp or analog where the bridging unit linking the two Cps or analogs is part of a cyclic group	
N	C08F 2420/10	1	Heteroatom-substituted bridge, i.e. Cp or analog where the bridge linking the two Cps or analogs is substituted by at least one group that contains a heteroatom	
N	C08F 2420/11	1	Non-aromatic cycle-substituted bridge, i.e. Cp or analog where the bridge linking the	

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#
			two Cps or analogs is substituted by a non-aromatic cycle	
N	C08F 2420/12	1	Long bridge, i.e. Cp or analog where the bridging unit linking the two Cps or analogs is composed of at least two atoms which are not part of a cycle and which are not an ethylene bridge	
M	C08F 2500/00	0	Characteristics or properties of obtained polyolefins; Use thereof	
M	C08F 2500/01	1	High molecular weight, e.g. >800,000 Da.	
M	C08F 2500/02	1	Low molecular weight, e.g. <100,000 Da.	
M	C08F 2500/03	1	Narrow molecular weight distribution, i.e. Mw/Mn < 3	
M	C08F 2500/04	1	Broad molecular weight distribution , i.e. Mw/Mn > 6	
U	C08F2500/05	1	Bimodal or multimodal molecular weight distribution	
N	C08F 2500/055	1	Monomodal/unimodal molecular weight distribution	
M	C08F2500/06	1	Comonomer distribution, e.g. normal, reverse or narrow	
M	C08F 2500/07	1	High density, i.e. > 0.95 g/cm^3	
M	C08F 2500/08	1	Low density, i.e. < 0.91 g/cm^3	
U	C08F 2500/26	1	Use as polymer for film forming	
N	C08F 2500/27	1	Amount of comonomer in wt% or mol%	
N	C08F 2500/28	1	Internal unsaturations	
N	C08F 2500/29	1	Terminal unsaturations, e.g. vinyl or vinylidene	
N	C08F 2500/30	1	Flexural modulus; Elasticity modulus	
N	C08F 2500/31	1	Impact strength or impact resistance, e.g. Izod, Charpy or notched	
N	C08F 2500/32	1	Glass transition temperature [Tg]	
N	C08F 2500/33	1	Crystallisation temperature [Tc]	
N	C08F 2500/34	1	Melting point [Tm]	
N	C08F 2500/35	1	Crystallinity, e.g. soluble or insoluble content as determined by the extraction of the polymer with a solvent	
N	C08F 2500/36	1	Terpolymer with exactly three olefinic monomers	
N	C08F 2500/37	1	Elution or crystallisation fractionation, e.g. as determined by. TREF or Crystaf	
N	C08F 2500/38	1	Branching index [gvis], i.e. ratio of the intrinsic viscosity of the branched polymer to the intrinsic viscosity of a linear polymer	

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#
			of equal molecular weight and same composition	
N	C08F 2500/39	1	Tensile storage modulus E'; Shear storage modulus G'; Tensile loss modulus E''; Shear loss modulus G''; Tensile complex modulus E*; Shear complex modulus G*	

*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.
- For finalisation 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.

C. New, Modified or Deleted Note(s)

SUBCLASS C08F - MACROMOLECULAR COMPOUNDS OBTAINED BY REACTIONS ONLY INVOLVING CARBON-TO-CARBON UNSATURATED BONDS

Type*	Location	Old Note	New/Modified Note
M	C08F 2500/00	{C08F2500/01 - C08F2500/26 groups are only used in C-Sets as subsequent symbol(s) and are not allocated as single symbol(s). The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.}	C08F2500/01 - C08F2500/39 groups are only used in C-Sets as subsequent symbol(s) and are not allocated as single symbol(s). The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08F.

*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.

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

CPC	**IPC**	**Action***
C08F 2400/04	CPCONLY	NEW
C08F 2410/06	CPCONLY	NEW
C08F 2410/07	CPCONLY	NEW
C08F 2410/08	CPCONLY	NEW
C08F 2420/07	CPCONLY	NEW
C08F 2420/08	CPCONLY	NEW
C08F 2420/09	CPCONLY	NEW
C08F 2420/10	CPCONLY	NEW
C08F 2420/11	CPCONLY	NEW
C08F 2420/12	CPCONLY	NEW
C08F 2500/055	CPCONLY	NEW
C08F 2500/27	CPCONLY	NEW
C08F 2500/28	CPCONLY	NEW
C08F 2500/29	CPCONLY	NEW
C08F 2500/30	CPCONLY	NEW
C08F 2500/31	CPCONLY	NEW
C08F 2500/32	CPCONLY	NEW
C08F 2500/33	CPCONLY	NEW
C08F 2500/34	CPCONLY	NEW
C08F 2500/35	CPCONLY	NEW
C08F 2500/36	CPCONLY	NEW
C08F 2500/37	CPCONLY	NEW
C08F 2500/38	CPCONLY	NEW
C08F 2500/39	CPCONLY	NEW

*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 <u>not</u> 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**
C08F	C08F2500/26	Special rules of classification, Allocation of indexing codes	Replace C08F2500/26 with C08F2500/39.
C08F	C08F2500/26	C-Sets Table, row #C8Fe, column 3 and column 4	Replace C08F2500/26 with C08F2500/39.
C08F	C08F2500/26	C-Sets Table, row #C8Fg, column 3 and column 4	Replace C08F2500/26 with C08F2500/39.
C08F4/00	C08F2410/05	Special rules of classification	Replace C08F2410/05 with C08F2410/08.
C08F4/00	C08F2420/06	Special rules of classification	Replace C08F2420/06 with C08F2420/12.
C08F110/00	C08F2500/26	Special rules, C-Sets Statement #C8Fe, second and fourth bullet points	Replace both occurrences of C08F2500/26 with C08F2500/39.
C08F110/00	C08F2500/26	Special rules, C-Sets syntax rules, fourth bullet points	Replace C08F2500/26 with C08F2500/39.
C08F210/00	C08F2500/26	Special rules, C-Sets Statement #C8Fg, second and seventh bullet points	Replace C08F2500/26 with C08F2500/39.
C08F210/00	C08F2500/26	Special rules, C-Sets syntax rules, third and fourth bullet points	Replace C08F2500/26 with C08F2500/39.

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.