

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1066

DATE: MAY 1, 2021

PROJECT RP0337

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	C08J	5/044
Symbols New:	C08J	5/0405, 5/241, 5/242, 5/243, 5/244, 5/245, 5/246, 5/247, 5/248, 5/249
Titles Changed:	C08J	5/00, 5/005, 5/04, 5/12, 5/124, 5/18, 5/20, 5/22
Indents Changed:	C08J	5/041, 5/042, 5/043
Warnings New:	C08J	5/24, 5/241, 5/242, 5/243, 5/244, 5/245, 5/246, 5/247, 5/248, 5/249
Notes New:	C08J	5/24
DEFINITIONS:		
Definitions New:	C08J	5/12, 5/124
Definitions Modified:	C08J	5/00, 5/005, 5/04, 5/18, 5/20, 5/22, 5/24

No other subclasses/groups are impacted by this Notice of Changes.

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)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

C08J - WORKING-UP; GENERAL PROCESSES OF COMPOUNDING; AFTER-TREATMENT NOT COVERED BY SUBCLASSES C08B, C08C, C08F, C08G (mechanical aspects B29; layered products, manufacture thereof B32B; treatment of macromolecular material specially adapted to enhance its filling properties in mortars, concrete or artificial stone C04B 16/04, C04B 18/20, C04B 20/00; treatment of textiles D06)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	C08J5/00	0	Manufacture of articles or shaped materials containing macromolecular substances (manufacture of semi-permeable membranes B01D67/00 - B01D71/00)	
M	C08J5/005	1	{Reinforced macromolecular compounds with nanosized materials, e.g. nanoparticles, nanofibres, nanotubes, nanowires, nanorods or nanolayered materials}	
M	C08J5/04	1	Reinforcing macromolecular compounds with loose or coherent fibrous material	
N	C08J5/0405	2	{with inorganic fibres}	
M	C08J5/041	3	{with metal fibres}	
M	C08J5/042	3	{with carbon fibres}	
M	C08J5/043	3	{with glass fibres}	
D	C08J5/044	2	{with other inorganic fibres}	<administrative transfer to C08J5/0405>
M	C08J5/12	1	Bonding of a preformed macromolecular material to the same or other solid material such as metal, glass, leather, e.g. using adhesives	
M	C08J5/124	2	{using adhesives based on a macromolecular component}	
M	C08J5/18	1	Manufacture of films or sheets	
M	C08J5/20	1	Manufacture of shaped structures of ion-exchange resins	
M	C08J5/22	2	Films, membranes or diaphragms	
C	C08J 5/24	1	Impregnating materials with prepolymers which can be polymerised <u>in situ</u> , e.g. manufacture of preregs	C08J5/24, C08J 5/241, C08J 5/242, C08J 5/243, C08J 5/244, C08J 5/245, C08J 5/246, C08J 5/247, C08J 5/248, C08J 5/249
N	C08J 5/241	2	{using inorganic fibres}	
N	C08J 5/242	3	{using metal fibres}	

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
N	C08J 5/243	3	{ using carbon fibres }	
N	C08J 5/244	3	{ using glass fibres }	
N	C08J 5/245	2	{ using natural fibres }	
N	C08J 5/246	2	{ using polymer based synthetic fibres }	
N	C08J 5/247	2	{ using fibres of at least two types }	
N	C08J 5/248	2	{ using pre-treated fibres }	
N	C08J 5/249	2	{ characterised by the additives used in the prepolymer mixture }	

*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.

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B. New, Modified or Deleted Warning(s)

C08J - WORKING-UP; GENERAL PROCESSES OF COMPOUNDING; AFTER-TREATMENT NOT COVERED BY SUBCLASSES C08B, C08C, C08F, C08G (mechanical aspects B29; layered products, manufacture thereof B32B; treatment of macromolecular material specially adapted to enhance its filling properties in mortars, concrete or artificial stone C04B 16/04, C04B 18/20, C04B 20/00; treatment of textiles D06)

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	C08J5/24		Group C08J5/24 is impacted by reclassification into groups C08J5/24, C08J 5/241, C08J 5/242, C08J 5/243, C08J 5/244, C08J 5/245, C08J 5/246, C08J 5/247, C08J 5/248 and C08J 5/249. All groups listed in this Warning should be considered in order to perform a complete search.
N	C08J5/241		Group C08J5/241 is incomplete pending reclassification of documents from group C08J5/24. Groups C08J5/24 and C08J5/241 should be considered in order to perform a complete search.
N	C08J5/242		Group C08J5/242 is incomplete pending reclassification of documents from group C08J5/24. Groups C08J5/24 and C08J5/242 should be considered in order to perform a complete search.
N	C08J5/243		Group C08J5/243 is incomplete pending reclassification of documents from group C08J5/24. Groups C08J5/24 and C08J5/243 should be considered in order to perform a complete search.
N	C08J5/244		Group C08J5/244 is incomplete pending reclassification of documents from group C08J5/24. Groups C08J5/24 and C08J5/244 should be considered in order to perform a complete search.
N	C08J5/245		Group C08J5/245 is incomplete pending reclassification of documents from group C08J5/24. Groups C08J5/24 and C08J5/245 should be considered in order to perform a complete search.
N	C08J5/246		Group C08J5/246 is incomplete pending reclassification of documents from group C08J5/24. Groups C08J5/24 and C08J5/246 should be

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
			considered in order to perform a complete search.
N	C08J5/247		Group C08J5/247 is incomplete pending reclassification of documents from group C08J5/24. Groups C08J5/24 and C08J5/247 should be considered in order to perform a complete search.
N	C08J5/248		Group C08J5/248 is incomplete pending reclassification of documents from group C08J5/24. Groups C08J5/24 and C08J5/248 should be considered in order to perform a complete search.
N	C08J5/249		Group C08J5/249 is incomplete pending reclassification of documents from group C08J5/24. Groups C08J5/24 and C08J5/249 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.

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C. New, Modified or Deleted Note(s)

C08J - WORKING-UP; GENERAL PROCESSES OF COMPOUNDING; AFTER-TREATMENT NOT COVERED BY SUBCLASSES C08B, C08C, C08F, C08G (mechanical aspects B29; layered products, manufacture thereof B32B; treatment of macromolecular material specially adapted to enhance its filling properties in mortars, concrete or artificial stone C04B 16/04, C04B 18/20, C04B 20/00; treatment of textiles D06)

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
N	C08J5/24		{In groups C08J5/24 - C08J5/249, the last place priority rule is not applied, i.e. the common rule is applied.}

*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.

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2. A. DEFINITIONS (new)

C08J 5/12

References

Informative references

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

Joining or sealing of preformed parts	B29C 65/00
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C08J 5/124

References

Informative references

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

Adhesive compositions	C09J 4/00 , C09J 101/00- C09J 201/00
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2. A. DEFINITIONS (modified)

C08J5/00

Relationships with other classification places

Delete: Relationships with other classification places section and text.

References:

Limiting references:

Replace: Existing Limiting references table with the modified one below:

Membranes for dialysis, osmosis or filtration, e.g. semi-permeable membranes	B01D67/00 - B01D71/00
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Application-oriented references:

Replace: The following rows in the Application-oriented references section with the modified ones below:

Medicinal preparations characterised by the non-active ingredient being chemically bound to the active ingredient	A61K47/50
Fuel cells with polymeric electrolyte material	H01M8/1018

Informative references:

Replace: Existing Informative references table with the modified one below:

Shaping of foodstuffs	A23P
Cation exchange	B01J39/18 - B01J39/22
Anion-exchange	B01J41/12 - B01J41/16
Amphoteric ion-exchange	B01J43/00

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Regeneration of ion-exchangers	B01J49/00
Layered products comprising a layer of synthetic resin	B32B27/00
Microstructural technology	B81
Treatment of rubber latex	C08C1/00
Treatment of polymer emulsions	C08F6/14
Use of ingredients characterised by shape	C08K7/00
Surface modified additives	C08K9/00
After treatment of threads during manufacturing	D01F11/00
Other nonwoven fabrics	D04H13/00
Finishing of textiles	D06M

Special rules of classification

Delete: Special rules of classification section and text.

C08J5/005

Definition statement

Replace: Existing Definition statement with the modified one below:

The reinforcement of polymers with nanofillers as a structuring agent.

Relationships with other classification places

Insert: New Relationships with other classification places section and text.

Polymers comprising nanoadditives without reinforcing structure are classified in [C08K](#).

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References:

Delete: Limiting references section and table.

Informative references:

Insert: New Informative references section and table.

Nanotechnology for materials and surface science	B82Y30/00
Use of ingredients characterised by shape	C08K7/00
Nanostructured additives	C08K2201/011

Special rules of classification

Delete: Special rules of classification section.

C08J5/04

Definition statement

Insert: A period at the end of the Definition statement.

Relationships with other classification places

Replace: Existing Relationships with other classification places text with the updated text below:

- Mechanical aspect of making such composites in a specific process for making composites are classified in [B29C70/00](#).
- Compounded polymer compositions or reinforced plastics characterised by the fibrous material are classified in [C08K7/00](#) or [C08K9/00](#) (e.g. reinforcement of

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plastics like polyamide with glass fibres in an amount generally lower than 50% (volume or weight) is classified in C08K7/00).

References:

Delete: Limiting references section and table.

Informative references:

Insert: New Informative references section and table.

Chemical after-treatment of artificial filaments during manufacture	D01F11/00
Finishing of textiles	D06M

C08J5/18

Definition statement

Replace: Existing Definition statement with the modified one below:

The manufacture of self-standing monolayers, films or sheets characterised by chemical features or parameters; the films per se and the manufactured products thereof.

Self-standing films are films that are different from films made by coating on a substrate.

Porous or microporous films when the pores are obtained mechanically.

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Replace: Existing Relationships with other classification places text with the modified text below:

- Adhesive sheets are classified in C09J7/00.
- Optical sheets are classified in G02B.
- Prepregs are classified in C08J5/24.
- Mechanical aspects of the formation of films, e.g. extrusion, blow-moulding, are classified in B29C.

References:

Delete: Limiting references section and table.

Informative references:

Replace: Existing Informative references table with the modified one below:

Process for making films only characterised by the use of specific apparatus, e.g. extruding, blow moulding or thermoforming	B29C
Shaping by stretching, e.g. drawing through a die, characterised by the choice of materials	B29C55/005
Producing flat articles, e.g. films or sheets	B29D7/01
Layered products comprising a layer of synthetic resin	B32B27/00
Wrappers or flexible covers; Packaging materials of special type or form	B65D65/00
Coating of shaped articles made of polymers with polymeric layers	C08J7/04
Films which are only coated layers	C09D

Special rules of classification

Replace: Existing Special rules of classification text with the modified text below:

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- The type of polymer used to make the film is indicated using an Indexing symbol of groups [C08J2300/00-C08J2399/00](#).
- When the presence of one or several additional polymers, present in minority, is of relevance, this additional polymer is specified using an Indexing symbol of groups [C08J2400/00-C08J2499/00](#).

Example:

- Polypropylene films are classified in [C08J5/18](#) and [C08J2323/12](#).

C08J5/20

Definition statement

Replace: Existing first paragraph of the Definition statement with the modified one below:

The product of manufacture of ion-exchange membranes based on inorganic and/or organic macromolecules and processes of making polyelectrolytes.

C08J5/22

Definition statement

Delete: The entire Definition statement EXCEPT the paragraph below:

Membranes of which at least the ion exchanging parts are inorganic, i.e. mixtures of non-polymeric ion-exchange compounds, e.g. inorganic salts and at least one polymer.

References:

Delete: Limiting references section and table.

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Informative references:Replace: Existing Informative references table with the one below:

Processes of separation using semi-permeable membranes, e.g. reverse osmosis, microfiltration or ultrafiltration	B01D61/00
Semi-permeable membranes of macromolecular compounds	B01D71/08- B01D71/82
Ion-exchange in general	B01J39/18- B01J39/22, B01J41/12- B01J41/16, B01J43/00, B01J45/00, B01J47/12- B01J47/15, B01J49/00
Electrolyte membranes which are characterised only by the construction, e.g. porosity or presence of specific electrolytes, the polymer not being specific	H01M8/00
Fuel cells with polymeric electrolyte material	H01M8/1018

Special rules of classificationReplace: Existing Special rules of classification text with the modified text below:

- Groups e.g. $-\text{SO}_2\text{F}$, that do not have ion-exchanging properties, but may, by simple hydrolysis in an alkaline, neutral or acid medium, be transformed into ion-exchanging groups, e.g. $-\text{SO}_2\text{H}$, are considered as ion-exchanging groups.
- Membranes obtained by homogeneous melting or from a solution are considered as homogeneous, even if the membrane contains (after solidification of the melt or the solution) heterogeneous elements, e.g. filling bodies, supports in the form of fabrics, or the like.
- Quaternising reactions are not considered as after-treatments.
- Membranes based on cellulose are classified in [C08J5/2212](#).
- Methods for incorporating reinforcement supports or filling bodies where the support or filling body has no ion-exchange activity are classified in [C08J5/2206](#).

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- Ion-exchanging fibrous fabrics are considered as heterogeneous membranes and are classified in [C08J5/2275](#); they include composite membranes and mixtures of two or more (ion exchange) polymers.
- Reactions that change the nature of the ion-exchanging groups, introduction of ion-exchanging groups, and after-treatment of a membrane that has already been formed are classified in [C08J5/2287](#).

See also the Rules under [C08J5/18](#).

C08J5/24

Definition statement

Replace: Existing Definition statement with the modified one below:

Prepregs, i.e. reinforcement material pre-impregnated with a resin matrix.

References

Informative references

Replace: Existing Informative references table with the modified one below:

Layered products characterised by the presence of two or more fibrous or filamentary layers next to each other	B32B5/26
Layered products comprising at least one impregnated fibrous or filamentary layer	B32B2260/02 1

Special rules of classification

Replace: Existing Special rules of classification text with the modified text below:

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In this group and its indented subgroups, the last place priority rule is not applied, i.e. the common rule is applied.

See also the Rules under [C08J5/18](#).

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3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	C08J 5/044	<administrative transfer to C08J 5/0405>
C	C08J 5/24	C08J 5/24, C08J 5/241, C08J 5/242, C08J 5/243, C08J 5/244, C08J 5/245, C08J 5/246, C08J 5/247, C08J 5/248, C08J 5/249

* 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.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
C08J 5/0405	C08J 5/04	NEW
C08J 5/044	C08J 5/04	DELETE
C08J 5/241	C08J 5/24	NEW
C08J 5/242	C08J 5/24	NEW
C08J 5/243	C08J 5/24	NEW
C08J 5/244	C08J 5/24	NEW
C08J 5/245	C08J 5/24	NEW
C08J 5/246	C08J 5/24	NEW
C08J 5/247	C08J 5/24	NEW
C08J 5/248	C08J 5/24	NEW
C08J 5/249	C08J 5/24	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 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.