

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1065

DATE: MAY 1, 2021

PROJECT MP0316

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Titles Changed:	C08J	SUBCLASS
	C08J	3/02, 3/12, 3/124, 3/126, 3/128, 3/16, 3/24, 3/241
	C08J	7/123
	C08J	9/00, 9/32, 9/36
	C08J	11/00, 11/08, 11/10, 11/12
	C08J	2353/00
	C08J	2453/00
DEFINITIONS:		
Definitions New:	C08J	3/12, 3/124, 3/126, 3/16, 3/24, 3/241, 11/08
Definitions Modified:	C08J	SUBCLASS
	C08J	3/00, 3/18, 7/00, 7/06, 7/123, 7/18, 9/00, 9/32, 11/00, 11/10, 11/12

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)

SUBCLASS 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> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
M	C08J	0	WORKING-UP; GENERAL PROCESSES OF COMPOUNDING; AFTER-TREATMENT NOT COVERED BY SUBCLASSES C08B, C08C, C08F, C08G or C08H (working, e.g. shaping, of plastics B29)	
M	C08J3/02	1	Making solutions, dispersions, lattices or gels by other methods than by solution, emulsion or suspension polymerisation techniques	
M	C08J3/12	1	Powdering or granulating	
M	C08J3/124	2	{Treatment for improving the free-flowing characteristics}	
M	C08J3/126	2	{Polymer particles coated by polymer, e.g. core shell structures}	
M	C08J3/128	2	{Polymer particles coated by inorganic and non-macromolecular organic compounds}	
M	C08J3/16	2	by coagulating dispersions {(C08J3/122 takes precedence)}	
M	C08J3/24	1	Crosslinking, e.g. vulcanising, of macromolecules (mechanical aspects B29C 35/00; crosslinking agents C08K)	
M	C08J3/241	2	{Preventing premature crosslinking by physical separation of components, e.g. encapsulation}	
M	C08J7/123	2	{Treatment by wave energy or particle radiation (C08J 7/18 takes precedence)}	
M	C08J9/00	0	Working-up of macromolecular substances to porous or cellular articles or materials; After-treatment thereof (mechanical aspects of shaping of plastics or substances in a plastic state for the production of porous or cellular articles B29C)	
M	C08J9/32	1	from compositions containing microballoons, e.g. syntactic foams	

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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#
M	C08J9/36	1	After-treatment (C08J 9/22 takes precedence)	
M	C08J11/00	0	Recovery or working-up of waste materials (recovery of plastics B29B 17/00; polymerisation processes involving purification or recycling of waste polymers or their depolymerisation products C08B, C08C, C08F, C08G, C08H)	
M	C08J11/08	3	using selective solvents for polymer components	
M	C08J11/10	2	by chemically breaking down the molecular chains of polymers or breaking of crosslinks, e.g. devulcanisation (depolymerisation to the original monomer C07)	
M	C08J11/12	3	by dry-heat treatment only	
M	C08J2353/00	0	Characterised by the use of block copolymers containing at least one sequence of a polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds; Derivatives of such polymers	
M	C08J2453/00	0	Characterised by the use of block copolymers containing at least one sequence of a polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds; Derivatives of such polymers	

*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.

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- 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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2. A. DEFINITIONS (new)Insert: The following new Definitions.**C08J 3/12****References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Nanocapsules for medical purposes	A61K9/51
Making granules	B29B9/00

C08J 3/124**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Agglomerates, granulates or microbeadlets for medical purposes	A61K9/16
Process or devices for granulating using non-sticking agents	B01J2/30
Auxiliary treatment of particles	B29B9/16

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C08J 3/126

References

Informative references

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

Process or devices for granulating material followed by coating of the granules	B01J2/003
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C08J 3/16

References

Limiting references

This place does not cover:

Pulverisation by spraying	C08J3/122
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Informative references

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

Coagulation of polymer emulsions	C08F6/22
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C08J 3/24

References

Limiting references

This place does not cover:

Crosslinking agents	C08K
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Informative references

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

Compounding polymers with additives	C08J3/20
Mechanical aspects of crosslinking	B29C35/00

Special rules of classification

Reference B29C35/00 is non-limiting in the subgroup C08J3/24. CPC will be updated/corrected once this inconsistency is resolved in IPC.

C08J 3/241**References****Informative references**

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

Use of pretreated ingredients	C08K9/00
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2. A. DEFINITIONS (modified)

C08J

Definition statement

This place covers:

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

- Chemical aspects of processes for treating, compounding, working-up or recovery of macromolecular substances unless the treatment, compounding, working-up or recovery is provided for elsewhere as indicated below in the relationship section.
- Chemical features of manufacture, treatment or coating of articles or shaped materials containing macromolecular substances unless the manufacture, treatment or coating is provided for elsewhere as indicated below in the relationship section.
- Chemical aspects of working-up of macromolecular substances to porous or cellular articles or materials and after-treatment thereof unless provided for elsewhere as indicated below in the relationship section.
- Chemical aspects of recovery or working-up of waste materials, i.e. macromolecular materials (e.g. polymers), solvents and unreacted monomers, unless provided for elsewhere as indicated below in the relationship section.

Relationships with other classification places

Replace: The existing Relationships with other classification places text with the following updated text.

C08J covers general processes or treatments that are not already covered by subclasses C08B, C08C, C08F, C08G and C08H.

C08J is residual to subclasses C08B, C08C, C08F, C08G and C08H in relation to after-treatment of macromolecular substances or polymers, and therefore does not cover:

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- Processes specially adapted for treating macromolecular substances or polymers for which after-treatments are specifically mentioned in C08B, C08C, C08F, C08G and C08H (e.g. C08F 6/00).
- Polymerisation processes involving purification or recycling of waste polymers or depolymerisation products of specified macromolecular substances.
- Foamed polymeric products of isocyanates or isothiocyanates characterised by the monomers or catalysts used (C08G 18/00).

B29 covers mechanical aspects of working up, after-treatment and compounding of plastics or materials in a plastic state. If a process for working up, after-treatment and compounding of plastics contains both chemical and mechanical aspects, it should be classified in both B29 and C08J.

When classifying in this subclass, additional classification(s) are made from subclass C08L, relating to essential or characterising materials used.

References

Delete: The entire Limiting references section.

Informative references

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

Insert: The following four new references in the Informative references table.

Mechanical aspects of working-up	B29C
Working-up of compositions comprising more than 50% of mineral filler	C04B

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Adhesive processes in general	C09J5/00
Treatment of textiles	D06

Special rules of classification

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

Reference B29 is non-limiting in the subclass C08J. CPC will be updated/corrected once this inconsistency is resolved in IPC.

- In this subclass, at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place.
- In this subclass, the polymer involved in the working-up is specified using Indexing symbols of the group [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 Indexing symbols of the group [C08J2400/00-C08J2499/00](#).

C08J 3/00

Definition statement

This place covers:

Replace: The term “plasticizing” with “plasticising” in the following paragraph.

The chemical aspect of making solutions, dispersions or lattices, powdering or granulating, plasticising, compounding with additives, cross-linking, vulcanising and treatment by wave energy or particle radiation.

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Relationships with other classification places

Replace: The second paragraph of the Relationships with other classification places section with the following updated paragraph.

The use of a specific emulsifying agent classified in [B01F17/00](#) could apply to the emulsification of polymers and also be classified in [C08J3/02](#).

References

Delete: The entire Limiting references section.

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Replace: The term “characterized” with “characterised”; and the term “characterization” with “characterisation” in the following row.

Medicinal preparations characterised by the non-active ingredient, e.g. characterisation by their physical form	A61K47/50
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Informative references

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

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

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Cosmetic or similar preparations characterised by their physical form	A61K8/00
Chemical aspects of, or use of materials for, bandages, dressings or absorbent pads	A61L15/00
Mechanical aspects of mixing, emulsifying and dispersing	B01F
Protection of catalysts, e.g. by coating	B01J33/00
Making granules	B29B9/00
Mechanical aspects of cross-linking or vulcanising	B29C35/00
Treatment or chemical modification of rubbers	C08C
Making solution dispersion or lattices by solution, emulsion or suspension polymerisation	C08F2/00
Post-polymerisation treatment of polymer emulsions or solutions	C08F6/00
Crosslinking aspects not classifiable in these groups	C08G, C08F, C08K
Treatment by wave energy or irradiation of shaped articles	C08J7/123, C08J7/18
Plasticising macromolecules or compounding with additives characterised by the plasticiser or additive	C08K5/00, C08K3/00
Encapsulation or pre-treatment of additives	C08K9/00

Special rules of classification

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

- C08J3/122 takes precedence over C08J3/124, C08J3/126, and C08J3/128.
- This subgroup could also be associated with C08J3/02, as it is relevant for the process of making a solution or emulsion.
- In C08J3/22, the additive added as master batch could also be a polymer.

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- This subgroup could also be associated with [C08J3/20](#), i.e. compounding polymer with additive.

C08J 3/18

Definition statement

This place covers:

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

This group covers the process of treating polymers with plasticisers in order to modify thermal and mechanical properties of the polymer.

Relationships with other classification places

Delete: The phrase “as such” from the Relationships with other classification places text.

Plasticisers are classified in [C08K](#).

Insert: The following new Special rules of classification section.

Special rules of classification

Reference C08K is non-limiting in the main group C08J3/18. CPC will be updated/corrected once this inconsistency is resolved in IPC.

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C08J 7/00

Definition statement

This place covers:

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

All types of treatments of shaped articles comprising polymeric surfaces. The treatments include chemical or physical treatments and coating of continuous polymeric surfaces.

Relationships with other classification places

Replace: The existing Relationships with other classification places text with the following updated text.

- [C09D](#) relates to coating compositions.
- [B05D](#) relates to processes for applying liquids or other fluent materials to surfaces in general.
- Adhesive sheets are classified in [C09J7/00](#).
- [D06M15/00](#) relates to the coating of polymer fibres.
- [D01F](#) relates to the chemical treatment of fibres.

References

Limiting references

This place does not cover:

Delete: The following reference from the Limiting references table.

Treating textile materials	D06
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Informative references

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

Insert: The following new reference in the Informative references table.

Treating textile materials	D06
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Special rules of classification

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

- The treatment of specific polymers is indicated using Indexing symbols of the group [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 Indexing symbols of the group [C08J2400/00-C08J2499/00](#).

Example:

- Surface treatment of a polypropylene film is classified in [C08J7/00](#) and [C08J2323/12](#).

C08J 7/06

Definition statement

This place covers:

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

Coating or impregnating of a polymeric substrate with a low-molecular weight organic or inorganic compound. Adsorbing or absorbing of low-molecular weight compounds or inorganic compounds on a polymeric substrate.

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Insert: The following new Relationships with other classification places section.

Relationships with other classification places

Coating of a polymeric substrate with a metallic material e.g. metallisation is classified in C23C.

References

Delete: The entire Limiting references section.

Informative references

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

Insert: The following new reference in the Informative references table.

Coating with metallic material	C23C
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C08J 7/123

Definition statement

This place covers:

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

Treatment of polymeric substrates with electromagnetic radiation, e.g. corona, plasma, X-rays or γ -rays, UV, laser, etc., wherein the treated substrate may be coated during the treatment or at a later stage or not at all.

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Relationships with other classification places

Replace: The existing Relationships with other classification places text with the following updated text.

- Treatment of the bulk of a polymer with electromagnetic radiation is classified in C08J3/28. Treatment of a polymeric surface with electromagnetic radiation is classified in C08J7/123.
- A coating process comprising plasma pre-treatment of polymeric substrates is classified in B05D3/144. If the coating process is more directed to the chemistry of the coated layers, it is classified in C08J7/123.

References

Insert: The following new Limiting references section.

Limiting references

This place does not cover:

Treatment with polymerisable compounds using wave energy or particle radiation	C08J7/18
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Informative references

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

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

Treatment of a macromolecular compound by wave energy or radiation	C08J3/28
Pre-treatment of polymeric substrates with plasma	B05D3/144

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Surface shaping of articles by plasma treatment	B29C59/14
Surface shaping of articles by wave energy or particle radiation	B29C59/16

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

Replace: The existing Synonyms and Keywords table with the following new text.

- “Particle radiation treatment”, “Plasma treatment”, “Electron beam treatment”, and/or “Electronic irradiation”
- “Wave energy treatment”, “Corona discharge”, “Glow discharge”, and/or “Ultraviolet treatment”

C08J 7/18

Synonyms and Keywords

Replace: The existing Synonyms and Keywords text with the following new text.

- “Particle radiation treatment”, “Plasma treatment”, “Electron beam treatment”, and/or “Electronic irradiation”
- “Wave energy treatment”, “Corona discharge”, “Glow discharge”, and/or “Ultraviolet treatment”

C08J 9/00

Relationships with other classification places

Replace: The existing Relationships with other classification places text with the following updated text.

Classification guidance:

- Mechanical aspects of shaping of plastics or substances in a plastic state for the production of porous or cellular articles are classified in B29C.

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- Porous or cellular articles or materials for medical applications are classified in [A61L](#).

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:

Sponges for cleaning purposes	A47L13/16
Manufacture of microcapsules or microballoons	B01J13/02
Mechanical aspects of foaming	B29C44/00
Foams containing more than 50% inorganic filler	C04B
Synthesis and blends of organic blowing agents	C07C
Foamed polymeric products of isocyanates or isothiocyanates characterised by the monomers or catalysts used	C08G18/00
Use of a filler in a non-foamed polymer composition	C08K
Polymer blends	C08L
Propellants for aerosols	C09K3/30

Special rules of classification

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

Reference B29C is non-limiting in the main group C08J9/00. CPC will be updated/corrected once this inconsistency is resolved in IPC.

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Classification guidance:

In the absence of an indication to the contrary, classification is made in the last appropriate place.

- Example: Halogenated phosphoric compound as additive is classified in [C08J9/0038](#).

The blowing or foaming agents involved are classified in groups [C08J9/02](#) - [C08J9/149](#).

- The foaming processes are classified in groups [C08J9/16](#) - [C08J9/35](#).

Documents belonging to several subgroups are also classified in the "one dot less" subgroup.

- Example: The combination of brominated flame retardant and phosphoric compound is classified in groups [C08J9/0019](#), [C08J9/0038](#) and [C08J9/0014](#).

The use of water as the sole blowing agent for (poly)isocyanate-containing foams is regarded as trivial. It is not classified in [C08J](#).

Mixtures of organic and inorganic blowing agents are classified in [C08J9/127](#) and each blowing agent of the mixture is also classified according to its nature.

Foams are subdivided according to the involved polymer(s) using the [C08L](#) scheme:

- When a foam is characterised by the involved polymer(s), then Indexing symbols of groups [C08J2300/00](#)-[C08J2399/00](#) are given, in order to specify said polymer(s).
- The structure of the [C08J2300/00](#) classification is mainly based on the classification of [C08L](#).
- Example: [C08J2325/06](#) corresponds to [C08L25/06](#) (polystyrene). Additionally, groups [C08J2300/00](#) - [C08J2300/30](#) specify polymers that are broadly defined.

When a document deals with one single polymer or several alternative polymers, but no polymer blend, then an Indexing symbol of the [C08J2300/00](#) range is used.

Examples:

- The use of an alkane blowing agent for expanding polystyrene is classified in [C08J9/141](#) and [C08J2325/06](#).
- The use of an alkane blowing agent for expanding polystyrene or polyethylene is classified in [C08J9/141](#), and [C08J2325/06](#) and [C08J2323/06](#).

Further subdivisions:

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This subgroup is only allocated when, in addition to a "main" polymer, a second or third polymer is present in the foamable blend. This second or third polymer is always in minority, compared to the main polymer.

- Please see the rules above.

As above, the "main" polymer is indexed using groups [C08J2300/00-C08J2399/00](#).

- The polymeric component in minority is indexed using groups [C08J2400/00-C08J2499/00](#).

Example:

- A foam from a blend of 80% polystyrene and 20% PMMA is classified in [C08J9/0061](#), [C08J2325/06](#) and [C08J2433/12](#).

When overlapping ranges of two polymers are claimed or exclusively exemplified, then a combination of both classification symbols must be given. See example below.

Example:

- A foamable blend of 80-20% polystyrene and 20-80% polyethylene is classified in [C08J9/0061](#) and [C08J2425/06](#) and [C08J2323/06](#), and [C08J2423/06](#) and [C08J2325/06](#).

General practice specifies that any of groups [C08J2300/00-C08J2399/00](#) can be used in combination with any of groups [C08J2400/00-C08J2499/00](#) to define the invention.

- Second and/or third polymers, only present in very low proportions may be ignored, provided their presence is not the key of the invention.
- Foam compositions wherein only the polymer in minority is defined are classified in [C08J9/0061](#) and [C08J2400/00-C08J2499/00](#).

Example:

- Foam comprising 10% polystyrene in 90% of another polymer is classified in [C08J9/0061](#) and [C08J2425/06](#).

[C08J9/224](#)

In these subgroups, indexing symbols of [C08J2400/00-C08J2499/00](#) are used to designate the polymer used for coating, binding or impregnating the foam (particle). The foam itself receives a [C08J2300/00-C08J2399/00](#) symbol.

[C08J9/33](#)

In these subgroups, indexing symbols of [C08J2400/00-C08J2499/00](#) are used to designate the foam fragments. The foamable ([C08J9/35](#)) or unfoamable matrix ([C08J9/33](#)) is specified using [C08J2300/00-C08J2399/00](#).

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C08J9/26

Indexing symbols [C08J2201/04](#) - [C08J2201/0484](#) are used in [C08J9/26](#), for specifying the solid to be extracted.

C08J9/28

Indexing symbols [C08J2201/05](#) - [C08J2201/0545](#) are used in [C08J9/28](#), for specifying the first step of the separation process (cooling, evaporation, precipitation).

Expandable compositions and expanded products are often regarded as similar and thus classified in the same subgroup.

A foam composition is expandable or foamable.

A foam (p)article can be porous cellular, expanded, foamed, pre- or post-foamed, pre- or post-expanded.

A foam contains pores, cavities or cells, which can be closed, open or interconnected.

A foam is porous, macroporous, microporous (1-100 microns diameter) or nanoporous (1-100 nanometers).

The pores distribution can be for unimodal, bimodal or trimodal.

Porous polymeric aerogels, organogels or xerogels can be regarded as foams.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

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

Blowing agent	Substance which is either gaseous at ambient temperature or capable of reversibly becoming gaseous upon heating (C08J9/12 or subgroups). This strict distinction is however not always respected in patents.
Expandable	Expandable includes expanding, pre-expanded or expanded.
Foaming agent	Material that will decompose to release a gas under certain conditions (C08J9/06 or subgroups).
Integral foams	Foams characterised by a dense or slightly expanded skin on a foamed core.

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Open cells foam or foam with open pores	Foam where more than 50% of the pores are open.
Porogen	Compound which is removed after solidification of the polymer composition (C08J9/26, C08J9/28).
Syntactic foams	Foams containing expandable and/or non expandable hollow particles (C08J9/32).

Delete: The entire Synonyms and Keywords section.

C08J 9/32

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:

Foams dealing with expandable particles like expandable polystyrene	C08J9/16 - C08J9/24
Making microballoons	B01J13/02

C08J 11/00

References

Delete: The entire Limiting references section.

DATE: MAY 1, 2021

PROJECT MP0316

Informative references

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

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

Mechanical treatments	B29
Agglomerating foam fragments, e.g. waste foam	C08J9/33
Collecting, recovering, recycling or eliminating the paint sludge from the washing liquid; Recovering or eliminating the paint sludge from washing liquid	B05B16/00
Recovery of plastics or other constituents of waste material containing plastics, e.g. mechanical aspects of recycling	B29B17/00
Layered products made from or containing mainly scrap material	B32B2272/00
Polymerisation processes involving purification or recycling of waste polymers or their depolymerisation products	C08B, C08C, C08F, C08G, C08H
Use of waste materials, e.g. treated or untreated sewage sludge	C08K11/005
Compositions of (unvulcanised) reclaimed rubber	C08L17/00
Compositions of precrosslinked rubber or scrap rubber or used vulcanised rubber	C08L19/003
Paint detackifiers or coagulants, e.g. for the treatment of oversprays in paint spraying installations	C09D7/71
Chemical paint or ink removers	C09D9/00- C09D9/04

Special rules of classification

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

DATE: MAY 1, 2021

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References B29B17/00, C08B, C08C, C08F, C08G and C08H are non-limiting in the main group C08J11/00. CPC will be updated/corrected once this inconsistency is resolved in IPC.

Looping references between C08J11/00 and B29B17/00 have been identified. Until this inconsistency is resolved in IPC, the current classification practice in CPC is as follows: B29B17/00 is considered as non-limiting in the main group C08J11/00.

Classification Guidance:

The treatment of specific polymers is indicated using Indexing symbols of the group [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 Indexing symbols of the group [C08J2400/00-C08J2499/00](#).

Example:

- Recycling of saturated polyesters is classified in [C08J11/00](#) and [C08J2367/02](#).

Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

Replace: The existing Synonyms and Keywords text with the following updated text.

- "recycle(-ing)", "reclaim(-ing)", "discard(-ing)", "recuperate(-ing)", "rejuvenate(-ing)", "reutilize(-ing)", "regenerate(-ing)", "salvage(-ing)", "waste", "scrap", "recover(-ing)", "reject(ed)", and "post-consumed" in combination with the corresponding polymer.

C08J 11/08

References

Informative references

DATE: MAY 1, 2021

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

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

Working-up tar by extraction with selective solvents	C10C1/18
Working-up pitch, asphalt, bitumen by selective extraction	C10C3/08

C08J 11/10

References

Informative references

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

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

Organic chemistry	C07
Depolymerisation of halogenated hydrocarbon polymers	C07C17/367
Depolymerisation of polyesters	C07C51/09, C07C63/26
Depolymerisation of polyamides	C07D201/12
Depolymerisation of rubber	C08C19/08
Production of liquid hydrocarbon mixtures from rubber or rubber waste	C10G1/10

Special rules of classification

Insert: The following new text as the first paragraph of the Special rules of classification section.

DATE: MAY 1, 2021

PROJECT MP0316

Reference C07 is non-limiting in the subgroup C08J11/10. CPC will be updated/corrected once this inconsistency is resolved in IPC.

C08J 11/12

References

Delete: The entire Limiting references section.

Informative references

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

Insert: The following new reference in the Informative references table.

Destructive distillation of carbonaceous materials for production of gas, coke, tar or similar matters	C10B
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Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

Replace: The term “pyrolyis” with “pyrolysis” in the Synonyms and Keywords section.

- “pyrolysis”, “incineration”, “thermal decomposition” and “cracking” in combination with the corresponding polymer