EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 317

DATE: NOVEMBER 1, 2016

PROJECT RP0172

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

Action	Subclass	Group(s)
Symbols deleted:	B29C	67/22
	B29C	67/2205
	B29C	67/221
	B29C	67/2215
	B29C	67/222
	B29C	67/2225
	B29C	67/223
	B29C	67/2235
	B29C	67/224
	B29C	67/2245
	B29C	67/225
	B29C	67/2255
	B29C	67/226
	B29C	67/2265
	B29C	67/227
	B29C	67/2275
	B29C	67/228
	B29C	67/2285
	B29C	67/229
	B29C	67/2295
Symbols newly created:	B29C	44/321
	B29C	44/3215
	B29C	44/329
	B29C	44/332
	B29C	44/334
	B29C	44/3402
	B29C	44/505
	B29C	44/507
Title wording change:	B29C	44/12
Scheme Warning Notices to be added/deleted:	B29C	44/00 (deleted)
	B29C	44/32 (new)
	B29C	44/321 (new)
	B29C	44/329 (new)
	B29C	44/332 (new)
	B29C	44/334 (new)
	B29C	44/34 (new)
	B29C	44/3402 (new)
	B29C	44/50 (new)
	B29C	44/505 (new)
	B29C	44/507 (new)
	B29C	67/22 (deleted)

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The following subclasses/groups are also impacted by this Notice of Changes:
B22C, B65D

This Notice of Changes includes the following*:*

1. CLASSIFICATION SCHEME CHANGES
    ☒ A. New, Modified or Deleted Group(s)

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

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

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

2. DEFINITIONS (New or Modified)
    ☐ A.   DEFINITIONS (Full definition template)

    ☐ B.   DEFINITIONS (Definitions Quick Fix)

3. ☒ REVISION CONCORDANCE LIST (RCL)

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

5. ☒ CROSS-REFERENCE LIST (CRL)

1. CLASSIFICATION SCHEME CHANGES

    A. New, Modified or Deleted Group(s)

SUBCLASS B29C - SHAPING OR JOINING OF PLASTICS; SHAPING OF SUBSTANCES IN A PLASTIC STATE, IN GENERAL; AFTER-TREATMENT OF THE SHAPED PRODUCTS, e.g. REPAIRING ({moulding devices for producing toilet or cosmetic sticks A45D40/16}; working in the manner of metal B23; grinding, polishing B24; cutting B26D, B26F; making preforms B29B11/00; making laminated products by combining previously unconnected layers which become one product whose layers will remain together B32B37/00 - B32B41/00)

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
E	B29C44/00	0	Shaping by internal pressure generated in the material, e.g. swelling, foaming {; Producing porous or cellular expanded plastics articles}	
E	B29C44/02	1	for articles of definite length, i.e. discrete articles	
E	B29C44/10	2	Applying counter-pressure during expanding	
E	B29C44/12	2	Incorporating or moulding on preformed parts, e.g. inserts, reinforcements	
E	B29C44/20	1	for articles of indefinite length	
C	B29C44/32	2	Incorporating or moulding on preformed parts, e.g. linings, inserts, reinforcements	B29C44/32, B29C44/321, B29C44/3215, B29C44/329, B29C44/332, B29C44/334
N	B29C44/321	3	{the preformed part being a lining, e.g. a film or a support lining}	
N	B29C44/3215	4	{Folding devices for the lining}	
U	B29C44/328	3	{the foamable components being mixed in the nip between the preformed parts}	
N	B29C44/329	3	{the preformed parts being partially embedded}	
N	B29C44/332	3	{the preformed parts being three-dimensional structures}	
N	B29C44/334	3	{Filling the preformed spaces or cavities}	
C	B29C44/34	1	Auxiliary operations	B29C44/34, B29C44/3402
N	B29C44/3402	2	{Details of processes or apparatus for reducing environmental damage or for working-up compositions comprising inert blowing agents or biodegradable components}	
E	B29C44/3415	2	{Heating or cooling}	

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
E	B29C44/445	5	{in the form of expandable granules, particles or beads}	
C	B29C44/50	4	using pressure difference, e.g. by extrusion, by spraying {(B29C44/468 takes precedence)}	B29C44/50, B29C44/505, B29C44/507
N	B29C44/505	5	{extruding the compound through a flat die (in general B29C47/0009)}	
N	B29C44/507	5	{extruding the compound through an annular die (in general B29C47/0009)}	
E	B29C44/56	2	After-treatment of articles, e.g. for altering the shape	
D	B29C67/22	2	by internal pressure generated in the material, e.g. swelling, foaming {not used}	<administrative transfer to B29C44/00>
D	B29C67/2205	3	{for articles of definite length, i.e. discrete articles (contains no documents)}	<administrative transfer to B29C44/02>
D	B29C67/221	4	{Applying counter pressure during foaming}	<administrative transfer to B29C44/10>
D	B29C67/2215	4	{upon or incorporating preformed parts, e.g. linings, inserts, reinforcements}	<administrative transfer to B29C44/12>
D	B29C67/222	4	{using expandable particles or beads as starting material}	<administrative transfer to B29C44/445>
D	B29C67/2225	5	{using high frequency heating (in general B29C33/06)}	<administrative transfer to B29C44/3415>
D	B29C67/223	3	{for articles of indefinite length (not used, see B29C44/20)}	<administrative transfer to B29C44/20>
D	B29C67/2235	4	{comprising extruding the compounds before foaming}	<administrative transfer to B29C44/50>
D	B29C67/224	5	{extruding the compound through a flat die (in general B29C47/0009)}	<administrative transfer to B29C44/505>
D	B29C67/2245	5	{extruding the compound through an annular die (in general B29C47/0009)}	<administrative transfer to B29C44/507>
D	B29C67/225	4	{on preformed parts (not used, see B29C44/32)}	<administrative transfer to B29C44/32>
D	B29C67/2255	5	{the preformed part being a lining, e.g. film, sheet, support lining}	<administrative transfer to B29C44/321>
D	B29C67/226	6	{Folding devices for the lining}	<administrative transfer to B29C44/3215>
D	B29C67/2265	5	{the preformed parts being partially embedded (B29C67/227 takes precedence)}	<administrative transfer to B29C44/329>
D	B29C67/227	5	{the preformed parts being three-dimensional structures (B29C67/2255 takes precedence)}	<administrative transfer to B29C44/332>

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	B29C67/2275	5	{Filling the preformed spaces, cavities}	\<administrative transfer to B29C44/334>
D	B29C67/228	3	{Component parts, details or accessories; auxiliary operations (not used, see B29C44/34)}	\<administrative transfer to B29C44/34>
D	B29C67/2285	4	{Details of processes or apparatus for reducing environmental damage or for working-up compositions comprising inert blowing agents or biodegradable components}	\<administrative transfer to B29C44/3402>
D	B29C67/229	4	{Dosing or filling a mould with expandable beads}	\<administrative transfer to B29C44/445>
D	B29C67/2295	4	{after treatment of shaped foamed articles, e.g. altering the shape}	\<administrative transfer to B29C44/56>

*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; E= 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).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. 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 except "D" which requires only a symbol.
- #"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>" or "<administrative transfer to XX and YY simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be "invention information", unless otherwise indicated, and to 2000 series groups is assumed to be "additional information".

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

SUBCLASS B29C - SHAPING OR JOINING OF PLASTICS; SHAPING OF SUBSTANCES IN A PLASTIC STATE, IN GENERAL; AFTER-TREATMENT OF THE SHAPED PRODUCTS, e.g. REPAIRING ({moulding devices for producing toilet or cosmetic sticks A45D40/16}; working in the manner of metal B23; grinding, polishing B24; cutting B26D, B26F; making preforms B29B11/00; making laminated products by combining previously unconnected layers which become one product whose layers will remain together B32B37/00 - B32B41/00)

Type*	Location	Old Warning notice	New/Modified Warning notice
D	B29C44/00	Group B29C44/00 and subgroups are not complete, see also B29C67/22 and subgroups	
N	B29C44/32		Group B29C44/32 is impacted by reclassification into groups B29C44/32, B29C44/321, B29C44/3215, B29C44/329, B29C44/332, and B29C44/334. All groups listed in this Warning should be considered in order to perform a complete search.
N	B29C44/321		Group B29C44/321 is incomplete pending reclassification of documents from group B29C44/32. Groups B29C44/32 and B29C44/321 should be considered in order to perform a complete search
N	B29C44/329		Group B29C44/329 is incomplete pending reclassification of documents from group B29C44/32. Groups B29C44/32 and B29C44/321 should be considered in order to perform a complete search
N	B29C44/332		Group B29C44/332 is incomplete pending reclassification of documents from group B29C44/32. Groups B29C44/32 and B29C44/332 should be considered in order to perform a complete search
N	B29C44/334		Group B29C44/334 is incomplete pending reclassification of documents from group B29C44/32. Groups B29C44/32 and B29C44/334 should be considered in order to perform a complete search

Type*	Location	Old Warning notice	New/Modified Warning notice
N	B29C44/34		Group B29C44/34 is impacted by reclassification into groups B29C44/34 and B29C44/3402. Groups B29C44/34 and B29C44/3402 should be considered in order to perform a complete search.
N	B29C44/3402		Group B29C44/3402 is incomplete pending reclassification of documents from group B29C44/34. Group B29C44/32 and B29C44/3402 should be considered in order to perform a complete search
N	B29C44/50		Group B29C44/50 is impacted by reclassification into groups B29C44/50, B29C44/505, and B29C44/507. Groups B29C44/50, B29C44/505, and B29C44/507 should be considered in order to perform a complete search.
N	B29C44/505		Group B29C44/505 is incomplete pending reclassification of documents from group B29C44/50. Groups B29C44/505 and B29C44/50 should be considered in order to perform a complete search
N	B29C44/507		Group B29C44/507 is incomplete pending reclassification of documents from group B29C44/50. Groups B29C44/507 and B29C44/50 should be considered in order to perform a complete search
D	B29C67/22	From 1st April 1995 on the groups B29C67/22 to B29C67/2295 are no longer used for the classification of new documents. Documents from the backlog of these groups are in the process of being systematically transferred to B29C44/00	Delete

*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.

3.   REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	B29C44/32	B29C44/32, B29C44/321, B29C44/3215, B29C44/329, B29C44/332, B29C44/334
C	B29C44/34	B29C44/34, B29C44/3402
C	B29C44/50	B29C44/50, B29C44/505, B29C44/507
D	B29C67/22	<administrative transfer to B29C44/00>
D	B29C67/2205	<administrative transfer to B29C44/02>
D	B29C67/221	<administrative transfer to B29C44/10>
D	B29C67/2215	<administrative transfer to B29C44/12>
D	B29C67/222	<administrative transfer to B29C44/445>
D	B29C67/2225	<administrative transfer to B29C44/3415>
D	B29C67/223	<administrative transfer to B29C44/20>
D	B29C67/2235	<administrative transfer to B29C44/50>
D	B29C67/224	<administrative transfer to B29C44/505>
D	B29C67/2245	<administrative transfer to B29C44/507>
D	B29C67/225	<administrative transfer to B29C44/32>
D	B29C67/2255	<administrative transfer to B29C44/321>
D	B29C67/226	<administrative transfer to B29C44/3215>
D	B29C67/2265	<administrative transfer to B29C44/329>
D	B29C67/227	<administrative transfer to B29C44/332>
D	B29C67/2275	<administrative transfer to B29C44/334>
D	B29C67/228	<administrative transfer to B29C44/34>
D	B29C67/2285	<administrative transfer to B29C44/3402>
D	B29C67/229	<administrative transfer to B29C44/445>
D	B29C67/2295	<administrative transfer to B29C44/56>

* 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.

NOTES:
- <u>Only</u> C, D, F and Q type entries are included in the table above.
- When multiple symbols are included in the "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>" or "<administrative transfer to XX and YY simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be "invention information", unless otherwise indicated, and to 2000 series groups is assumed to be "additional information".

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

CPC	**IPC**	**Action***
B29C44/321	B29C44/32	NEW
B29C44/3215	B29C44/32	NEW
B29C44/329	B29C44/32	NEW
B29C44/332	B29C44/32	NEW
B29C44/334	B29C44/32	NEW
B29C44/3402	B29C44/34	NEW
B29C44/505	B29C44/50	NEW
B29C44/507	B29C44/50	NEW
B29C67/22		DELETE
B29C67/2205		DELETE
B29C67/221		DELETE
B29C67/2215		DELETE
B29C67/222		DELETE
B29C67/2225		DELETE
B29C67/223		DELETE
B29C67/2235		DELETE
B29C67/224		DELETE
B29C67/2245		DELETE
B29C67/225		DELETE
B29C67/2255		DELETE
B29C67/226		DELETE
B29C67/2265		DELETE
B29C67/227		DELETE
B29C67/2275		DELETE
B29C67/228		DELETE
B29C67/2285		DELETE
B29C67/229		DELETE
B29C67/2295		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.
- E and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

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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
B22C7/00	B29C67/22	References - *Limiting references*	B29C44/00
B65D65/466	B29C67/2285	References - *Informative references*	B29C44/3402

NOTES:
- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions <u>inside</u> 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.