

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 498

DATE: FEBRUARY 1, 2018

PROJECT MP0387

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>SCHEME:</b>		
Titles Changed:	B29C	31/00
	B29C	31/04
	B29C	31/06
	B29C	33/38
	B29C	33/40
	B29C	33/42
	B29C	33/56
	B29C	35/00
	B29C	35/02
	B29C	37/02
	B29C	43/00
	B29C	44/00
	B29C	44/12
	B29C	44/32
	B29C	44/42
	B29C	44/50
	B29C	47/00
	B29C	53/36
	B29C	57/00
	B29C	59/10
	B29C	59/14
	B29C	65/00
	B29C	65/48
	B29C	70/00
	B29C	70/14
	B29C	70/44
	B29C	70/46
	B29C	70/48
	B29C	70/50
	B29C	70/68
	B29C	70/72
	B29C	70/82
	B29C	70/88
	B29C	71/00
	B29C	73/00
	B29C	73/16
<b>DEFINITIONS:</b>		
Definitions New:	B29C	33/56
Definitions Modified:	B29C	subclass
	B29C	31/00

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	B29C	33/56
	B29C	35/00
	B29C	59/00
	B29C	65/00
	B29C	70/00
	B29C	71/00
	B29C	73/00

**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 B29C - SHAPING OR JOINING OF PLASTICS; SHAPING OF MATERIAL IN A PLASTIC STATE, NOT OTHERWISE PROVIDED FOR; AFTER-TREATMENT OF THE SHAPED PRODUCTS, e.g. REPAIRING** (making preforms B29B 11/00; making laminated products by combining previously unconnected layers which become one product whose layers will remain together B32B 37/00 - B32B 41/00)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	B29C31/00	0	Handling, e.g. feeding of the material to be shaped {, storage of plastics material before moulding; Automation, i.e. automated handling lines in plastics processing plants, e.g. using manipulators or robots (discharging moulded articles from the mould B29C 37/0003; storage of prepreps or SMC after impregnation or during ageing B29C 70/54; baling of rubber B29B 15/02)}	
M	B29C31/04	1	Feeding {of the material to be moulded}, e.g. into a mould cavity {(B29C 39/08 takes precedence; using a material distribution system to two or more fixed injection moulds B29C 45/125)}	
M	B29C31/06	2	in measured doses {, e.g. by weighting (feeding mixers with measured doses B01F 15/0216, B01F 15/0454, B29B 7/24, B29B 7/603)}	
M	B29C33/38	1	characterised by the material or the manufacturing process (B29C 33/44 takes precedence)	
M	B29C33/40	2	Plastics, e.g. foam or rubber	
M	B29C33/42	1	characterised by the shape of the moulding surface, e.g. ribs or grooves	
M	B29C33/56	1	Coatings {, e.g. enameled or galvanised}; Releasing, lubricating or separating agents {(in-mould coating B29C 37/0028; using or applying separating agents B29C 37/0067)}	

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M	B29C35/00	0	Heating, cooling or curing, e.g. crosslinking or vulcanising; Apparatus therefor (moulds with incorporated heating or cooling means B29C 33/02 {thermal after-treatment of shaped articles B29C 71/02}); curing devices for plastics dental prostheses A61C 13/14; before moulding B29B 13/00)	
M	B29C35/02	1	Heating or curing, e.g. crosslinking or vulcanizing {during moulding, e.g. in a mould} (cold vulcanisation B29C 35/18 {; vulcanising tyres, presses therefor B29D 30/0601})	
M	B29C37/02	1	Deburring or deflashing {(thermal deburring in general B23D 79/005)}	
M	B29C43/00	0	Compression moulding, i.e. applying external pressure to flow the moulding material; Apparatus therefor {(by liberation of internal stresses B29C 61/006)}	
M	B29C44/00	0	Shaping by internal pressure generated in the material, e.g. swelling or foaming {; Producing porous or cellular expanded plastics articles}	
M	B29C44/12	2	Incorporating or moulding on preformed parts, e.g. inserts or reinforcements	
M	B29C44/32	2	Incorporating or moulding on preformed parts, e.g. linings, inserts or reinforcements	
M	B29C44/42	4	using pressure difference, e.g. by injection or by vacuum	
M	B29C44/50	4	using pressure difference, e.g. by extrusion or by spraying {(B29C 44/468 takes precedence)}	
M	B29C47/00	0	Extrusion moulding, i.e. expressing the moulding material through a die or nozzle which imparts the desired form; Apparatus therefor (extrusion blow-moulding B29C49/04 )	

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M	B29C53/36	1	Bending and joining, e.g. for making hollow articles (B29C 53/56 takes precedence)	
M	B29C57/00	0	Shaping of tube ends, e.g. flanging, belling or closing; Apparatus therefor {, e.g. collapsible mandrels}	
M	B29C59/10	1	by electric discharge treatment	
M	B29C59/14	1	by plasma treatment {; plasma tubes <u>per se</u> H01J)}	
M	B29C65/00	0	Joining {or sealing} of preformed parts {, e.g. welding of plastics materials}; Apparatus therefor {general aspects of processes or apparatus for joining preformed parts B29C 66/00; using porous material formed by internal pressure generated therein for joining preformed parts B29C 44/1228, B29C 44/326}	
M	B29C65/48	1	using adhesives {, i.e. using supplementary joining material; solvent bonding}	
M	B29C70/00	0	Shaping composites, i.e. plastics material comprising reinforcements, fillers or preformed parts, e.g. inserts	
M	B29C70/14	5	oriented	
M	B29C70/44	5	using isostatic pressure, e.g. pressure difference-moulding, vacuum bag-moulding, autoclave-moulding or expanding rubber-moulding	
M	B29C70/46	5	using matched moulds, e.g. for deforming sheet moulding compounds [SMC] or prepregs	
M	B29C70/48	6	and impregnating the reinforcements in the closed mould, e.g. resin transfer moulding [RTM] {, e.g. by vacuum}	
M	B29C70/50	4	for producing articles of indefinite length, e.g. prepregs, sheet moulding compounds [SMC] or cross moulding compounds [XMC]	

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	B29C70/68	1	by incorporating or moulding on preformed parts, e.g. inserts or layers {, e.g. foam blocks (mould constructions therefor B29C 33/12; joining preformed parts by moulding B29C 65/70)}	
M	B29C70/72	2	Encapsulating inserts having non-encapsulated projections, e.g. extremities or terminal portions of electrical components {(B29C 70/742 takes precedence)}	
M	B29C70/82	2	Forcing wires, nets or the like partially or completely into the surface of an article, e.g. by cutting and pressing	
M	B29C70/88	1	characterised primarily by possessing specific properties, e.g. electrically conductive or locally reinforced	
M	B29C71/00	0	After-treatment of articles without altering their shape; Apparatus therefor (B29C44/56, B29C73/00 take precedence; surface shaping B29C59/00 {; for joined or sealed parts B29C 66/03; after-treatment specially adapted for vulcanising tyres B29D 30/0633})	
M	B29C73/00	0	Repairing of articles made from plastics or substances in a plastic state, e.g. of articles shaped or produced by using techniques covered by this subclass or subclass B29D (retreading tyres B29D 30/54 {; linings for tyres acting locally B60C5/142}; devices for covering leaks in pipes or hoses F16L 55/16)	
M	B29C73/16	1	Auto-repairing or self-sealing arrangements or agents {incorporating auto-repairing or self-sealing arrangements or agents on or into tyres B29D 30/0685}	

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\*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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## 2. A. DEFINITIONS (New)

Insert the following new definition.

### **B29C 33/56**

#### **References**

#### **Informative references**

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

Coating compositions	C09D
Lubricating compositions	C10M



## 2. A. DEFINITIONS (Modified)

### B29C 31/00

#### Informative references

Insert: The following three new rows in the existing Informative references table.

Feeding material to presses	B30B 15/30
Transport or storage devices	B65G
Measuring volume, volume flow, mass flow, or liquid level	G01F

Delete: The existing row in the Informative references table.

Transport or storage devices, e.g...tube conveyors B65G65/00

### B29C 35/00

#### Limiting references

Insert: The following two new rows in the existing Limiting references table.

Conditioning or physical treatment of the material to be shaped	B29B 13/00
Moulds with incorporated heating or cooling means	B29C 33/02

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Insert: The following new Informative references section.

### **Informative references**

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

Crosslinking of macromolecular substances	C08J 3/24
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## **B29C 59/00**

### **Informative references**

Insert: The following two new rows in the existing Informative references table.

Basic electric elements such as spark gaps; overvoltage arresters using spark gaps; sparking plugs; corona devices	H01T
Plasma technique	H05H

## **B29C 65/00**

Insert: The following new Application-oriented 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:*

Devices or methods of sealing or securing package folds or closures	B65B 51/00
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**Informative references**

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

Making of boxes, cartons, envelopes, or bags	B31B
Adhesive processes in general	C09J 5/00
Devices for fastening or securing constructional elements or machine parts together	F16B
Splicing of light guides	G02B 6/255

**B29C 70/00****Informative references**

Insert: The following new row in the existing Informative references table.

Manufacture of articles or shaped materials containing macromolecular substances	C08J 5/00
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**B29C 71/00**

Insert: The following new References section with (1) a new Limiting references section and (2) a new Informative references section, as shown below.

**References****Limiting references**

*This place does not cover:*

After-treatment of articles shaped by internal pressure generated in the material	B29C 44/56
Surface shaping, e.g. embossing	B29C 59/00
Repairing of articles	B29C 73/00

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### Informative references

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

Chemical treatment or coating of shaped articles made of macromolecular substances	<a href="#">C08J 7/00</a>
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### B29C 73/00

### Informative references

Insert: The following new row in the existing Informative references section.

Materials for sealing or packing joints or covers	<a href="#">C09K 3/10</a>
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