

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1343

DATE: AUGUST 1, 2022

PROJECT RP11751

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:	B29C	43/10, 43/12, 2043/141, 2043/181, 2043/182, 2043/185, 2043/186, 2043/188, 43/22, 2043/3205, 2043/3427, 2043/3433, 2043/3438, 2043/3444, 2043/3466, 2043/3472, 2043/3477, 2043/3602, 2043/3615, 2043/3639, 43/3642, 2043/3644, 2043/3647, 2043/3649, 2043/3652, 2043/3655, 2043/3668, 2043/3678, 2043/3689, 2043/425, 2043/467, 2043/468, 2043/5015, 2043/5023, 2043/5084, 2043/561, 2043/5841
DEFINITIONS:		
Definitions New:	B29C	2043/141, 2043/181, 2043/182, 2043/185, 2043/186, 2043/188, 2043/3205, 2043/3427, 2043/3433, 2043/3438, 2043/3444, 2043/3466, 2043/3472, 2043/3477, 2043/3602, 2043/3615, 43/3642, 2043/3644, 2043/3647, 2043/3649, 2043/3652, 2043/3655, 2043/3668, 2043/3678, 2043/3689, 2043/425, 2043/467, 2043/468, 2043/5015, 2043/5023, 2043/5084, 2043/561, 2043/5841
Definitions Modified:	B29C	43/00, 43/027, 43/10, 43/12, 43/22, 43/32, 43/34, 43/52, 43/58

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)

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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

<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	B29C43/10	2	Isostatic pressing, i.e. using non-rigid pressure-exerting members against rigid parts or dies	
M	B29C43/12	3	using bags surrounding the moulding material {or using membranes contacting the moulding material}	
M	B29C2043/141	3	{for making single layer articles }	
M	B29C2043/181	3	{encapsulated }	
M	B29C2043/182	4	{completely }	
M	B29C2043/185	3	{using adhesives }	
M	B29C2043/186	4	{hot-melt or heat activated adhesives }	
M	B29C2043/188	4	{thermosetting adhesives, e.g. polyurethane adhesives }	
M	B29C43/22	1	of articles of indefinite length	
M	B29C2043/3205	2	{Particular pressure exerting means for making definite articles }	
M	B29C2043/3427	4	{hopper, vessel, chute, tube, conveying screw, for material in discrete form, e.g. particles or powder or fibres }	
M	B29C2043/3433	3	{using dispensing heads, e.g. extruders, placed over or apart from the moulds }	
M	B29C2043/3438	4	{moving during dispensing over the moulds, e.g. laying up }	
M	B29C2043/3444	3	{using pressurising feeding means located in the mould, e.g. plungers or pistons }	
M	B29C2043/3466	3	{using rotating supports, e.g. turntables or drums }	

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M	B29C2043/3472	4	{using star wheels comprising arms }	
M	B29C2043/3477	3	{centrally fed, e.g. feeding the material in the center of the mould turntables }	
M	B29C2043/3602	3	{with means for positioning, fastening or clamping the material to be formed or preforms inside the mould }	
M	B29C2043/3615	4	{Forming elements, e.g. mandrels or rams or stampers or pistons or plungers or punching devices }	
M	B29C2043/3639	4	{hand operated}	
M	B29C43/3642	3	{Bags, bleeder sheets or cauls for isostatic pressing }	
M	B29C2043/3644	4	{Vacuumbags; Details thereof, e.g. fixing or clamping }	
M	B29C2043/3647	4	{Membranes, diaphragms }	
M	B29C2043/3649	4	{Inflatable bladders using gas or fluid and related details }	
M	B29C2043/3652	4	{Elastic moulds or mould parts, e.g. cores or inserts }	
M	B29C2043/3655	4	{Pressure transmitters, e.g. caul plates; pressure pads }	
M	B29C2043/3668	4	{destructible or fusible }	
M	B29C2043/3678	4	{on cylindrical supports with moulds or mould cavities provided on the periphery }	
M	B29C2043/3689	4	{on a support table, e.g. flat disk-like tables having moulds on the periphery }	
M	B29C2043/425	4	{mould parts or sliders being movable independently from the mould halves for making undercut portions }	
M	B29C2043/467	4	{plurality of rollers arranged in a specific manner in relation to each other }	
M	B29C2043/468	4	{take-off rollers, i.e. arranged adjacent a material feeding device }	
M	B29C2043/5015	4	{having undercuts or being threaded }	
M	B29C2043/5023	4	{moving away }	
M	B29C2043/5084	3	{using rotary devices, e.g. turntables or carousels }	

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M	B29C2043/561	3	{under vacuum conditions}	
M	B29C2043/5841	4	{for accommodating variation in mould spacing or cavity volume during moulding }	

*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 finalization 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.

B29C 2043/141

References

Informative references

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

For indefinite articles	B29C 43/26
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B29C 2043/181

References

Informative references

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

Outsert moulding	B29C 70/74
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B29C 2043/182

References

Informative references

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

Completely encapsulating inserts	B29C 70/70
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B29C 2043/185

References

Informative references

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

Joining of preformed parts using adhesives	B29C 65/48
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B29C 2043/186

References

Informative references

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

Joining of preformed parts by heating, with or without pressure, and applying molten plastics	B29C 65/40
Joining of preformed parts using adhesives	B29C 65/48

B29C 2043/188

References

Informative references

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

Joining of preformed parts by heating	B29C 65/02
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B29C 2043/3205

Definition statement

This place covers:

Single pressing elements, e.g. magnets or vibrating elements.

References

Informative references

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

Compression moulds as such	B29C 43/36
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B29C 2043/3427

References

Informative references

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

Dispensing from vessels	B29C 31/02
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B29C 2043/3433

References

Informative references

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

Feeding using dispensing heads	B29C 31/042
Applying fluent material for coatings	B05D 1/26
Extrusion coating	B05D 1/265

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B29C 2043/3438**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Feeding using moving dispensing heads	B29C 31/044
Applying fluent material for coatings	B05D 1/26
Extrusion coating	B05D 1/265

B29C 2043/3444**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Injection-compression moulding	B29C 45/561
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B29C 2043/3466**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Feeding in general by using volumetric measuring chambers moving between a charging station and a discharge station	B29C 31/065
Turntables as movable moulds	B29C 43/08
Feeding materials to moulding presses	B30B 15/302
Transfer turntables	B65G 47/80

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B29C 2043/3472

References

Informative references

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

Transfer stars	B65G 47/84
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B29C 2043/3477

References

Informative references

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

Turntables as movable moulds	B29C 43/08
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B29C 2043/3602

References

Informative references

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

Moulds with incorporated means for positioning inserts	B29C 33/14
Positioning articles in the mould for injection moulding	B29C 45/14065

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B29C 2043/3615**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Ram pressing	B30B 11/02
Ram press cooperating with fixed mould	B30B 11/04
Forming pockets in sheets	B65B 47/04
Moulding lenses	B29D 11/00413

B29C 43/3642**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Flexible cores for vulcanising tyres	B29D 30/0654
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B29C 2043/3644**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Applying pressure through membranes	B29C 51/28
Vacuum bag-moulding	B29C 70/44
Bladders for making tyres	B29D 30/0601
Flexible pressing means	B30B 5/02
Membrane press	B30B 9/22
Vacuum laminating	B32B 37/1018

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B29C 2043/3647**References****Informative references**

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

Applying pressure through membranes	B29C 51/28
Vacuum bagging	B29C 70/44
Bladders for making tyres	B29D 30/0601
Flexible pressing means	B30B 5/02
Membrane press	B30B 9/22
Vacuum laminating	B32B 37/1018

B29C 2043/3649**References****Informative references**

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

Flexible moulds	B29C 33/50
Deep drawing membranes	B29C 51/28
Vacuum bagging	B29C 70/44
Bladders for making tyres	B29D 30/0601
Flexible pressing means	B30B 5/02
Membrane press	B30B 9/22
Vacuum laminating	B32B 37/1018

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B29C 2043/3652**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Elastomeric moulds	B29C 33/405
Plastic moulds or cores	B29C 33/50
Isostatic pressing	B29C 43/10

B29C 2043/3655**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Details of caul plates for shaping composites comprising reinforcements only	B29C 70/549
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B29C 2043/3668**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Making porous articles	B22F 3/11
Lost moulds	B29C 33/0016
Moulds for making articles with holes	B29C 33/0033
Fusible cores	B29C 33/52

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B29C 2043/3678**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Rollers for making indefinite articles	B29C 43/46
Roller presses	B30B 11/006
Turntable presses	B30B 11/08

B29C 2043/3689**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Press rams on turntables	B30B 9/042
Presses adapted for forming shaped articles using a press ram cooperating with moulds on turntables	B30B 11/08

B29C 2043/425**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Collapsible cores or mandrels	B29C 33/485
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B29C 2043/467

References

Informative references

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

Calendering	B29C 43/24
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B29C 2043/468

References

Informative references

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

Calendering	B29C 43/24
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B29C 2043/5015

References

Informative references

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

Using a rotating movement to unscrew articles	B29C 33/446
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B29C 2043/5023

References

Informative references

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

Collapsible cores or mandrels	B29C 33/485
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B29C 2043/5084

References

Informative references

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

Blow moulding machines rotatable about one axis	B29C 49/36
Handling means for blow moulding machines	B29C 49/4205

B29C 2043/561

References

Informative references

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

Moulds or cores with incorporated venting means	B29C 33/10
Vacuum bag-moulding	B29C 70/44
Vacuum laminating	B32B 37/1018

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B29C2043/5841

References

Informative references

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

Compensating shrinkage	B29C 43/54
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2. A. DEFINITIONS (modified)

B29C 43/00

Definition statement

This place covers:

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

Compression moulding refers to shaping polymeric materials by using moulding devices movable against the material to apply pressure for shaping and achieving a residual filling of a cavity;

Continuous compression moulding refers to making indefinite articles by using rotatable devices, e.g. wheels or rollers or calenders;

Devices to supply the material to the compression moulding device.

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

Relationships with other classification places

Related moulding processes are:

- Transfer moulding, i.e. transferring the required volume of moulding material by a plunger from a "shot" cavity into a mould cavity. Transfer moulding is classified in B29C 45/02.
- Injection compressing moulding, i.e. injecting the polymeric material under pressure into a mould followed by moving the mould or mould parts to compress the material to achieve filling of the cavity and the final shape of the article, wherein initially the mould can be open or closed and/or the cavity can be in a state with enlarged or reduced size. Injection compressing moulding is classified in B29C 45/561.
- Shaping by thermoforming (i.e. shaping sheets or sheet-like preforms after heating), e.g. shaping sheets by matched moulds or by deep-drawing and apparatus therefor. Thermoforming is classified in B29C51/00.

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- Surface shaping of already moulded polymeric articles, e.g. by embossing and apparatus therefor. In the case of mechanical embossing, the surface shaping requires a reheating step for the surface to be embossed. Surface shaping of already moulded polymeric articles is classified in B29C59/00.
- Shaping composites, i.e. plastics material comprising reinforcements, fillers or preformed parts, e.g. inserts, are classified in B29C70/00. The use of moulding compounds comprising chopped or short fibres are classified in the moulding technique used, e.g. for compression moulding are classified in B29C43/003 or B29C43/006, for injection moulding using fibre reinforcements are classified in B29C 45/0005 or for extrusion moulding using fibre reinforcements are classified in B29C 48/2886.

References

Limiting references

This place does not cover:

Replace: The existing text and symbol in the Limiting references table with the following updated text and symbol.

Shaping by liberation of internal stresses, the force created by the liberation of the internal stresses being used for compression moulding	B29C 61/006
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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:

Manufacturing of articles by compacting or sintering metallic powders	B22F 3/00
Shaping clay or other ceramic compositions using presses	B28B 3/00
Presses in general	B30B
Photomechanical production of textured or patterned surfaces by imprinting or stamping whereby the pattern is fixed via light or thermal curing.	G03F 7/002

Insert: The following new Glossary of terms section.

Glossary of terms

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

Compression moulding	shaping of polymeric materials by using moulding devices movable against the material to apply pressure for shaping and achieving residual filling of a cavity
Continuous compression moulding	making of indefinite articles by shaping polymeric materials using rotatable devices, e.g. calenders or rollers or wheels

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B29C 43/027

Definition statement

This place covers:

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

Compression moulding of symmetrical articles, e.g. balls or ring-like shaped articles or tubular articles.

References

Insert: The following new Limiting references section.

Limiting references

This place does not cover:

Isostatic pressing using rigid mould parts specially adapted for moulding articles having an axis of symmetry	B29C43/102
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Informative references

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

Insert: In the second row of the Informative references table, a comma, as shown below.

Making spherical articles, e.g. balls	B29D 22/04
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B29C 43/10**Definition statement***This place covers:*Replace: The existing Definition statement text with the following updated text.

Flexible pressure exerting means, e.g. material characteristics of the pressure exerting member (e.g. special density, composition or syntactic foam).

References**Informative references***Attention is drawn to the following places, which may be of interest for search:*Replace: The existing Informative references table text with the following updated text.

Flexible collapsible moulds for facilitating demoulding	B29C 33/50
Applying pressure through membranes	B29C 51/28
Vacuum bagging	B29C 70/44
Hydroforming	B21D 26/033
Bladders for making tyres	B29D 30/0654
Flexible pressing means	B30B 5/02
Membrane presses	B30B 9/22
Isostatic pressing in general	B30B 11/001
Laminating glass sheets	B32B 17/10853
Vacuum laminating	B32B 37/1018

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B29C 43/12

Definition statement

This place covers:

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

Compression moulding processes by using vacuum or inflatable bags.

References

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:

Shaping or impregnating composites of definitive length by compression using isostatic pressure	B29C 70/44
Flexible cores for vulcanising tyres	B29D 30/0654

B29C 43/22

References

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:

Shaping or impregnating composites by compression for producing articles of indefinite length	B29C 70/50
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Informative references

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

Replace: In the Informative references table, the term “glueing” with the corrected term “gluing”, as shown below.

Floor coverings obtained by sintering or gluing the granules together	D06N 7/0057
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B29C 43/32

Definition statement

This place covers:

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

Pressure exerting means or methods (mechanical, e.g. deformable nets or springs or non-mechanical, e.g. thermal expansion), e.g. pressure equalising means or methods.

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:

Material characteristics of the isostatic pressure exerting member	B29C 43/10
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B29C 43/34

References

Insert: The following new Limiting references section.

Limiting references

This place does not cover:

Feeding material in a continuous form to continuous movable compression moulds	B29C 43/085
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B29C 43/52

References

Informative references

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

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

Press plates with heating or cooling means	B30B 15/064
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B29C 43/58

Definition statement

This place covers:

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

- enabling a value, or its relation to a datum, to be determined in the sense of measuring as defined in Note 2 of class G01;

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- affecting a variable of the compression moulding process in any way, e.g. changing its direction or its value, maintaining its constant or limiting its range of variation;
- maintaining a variable at a desired value or within a desired range of values;
- selecting a specific value for a parameter, e.g. temperature or pressure, that has a substantial influence on the compression moulding process.

The mere selection of optimum or workable values or ranges of values, without accompanying disclosure of the influence on the compression moulding process or its objective does not qualify for classification in this group.

References

Limiting references

This place does not cover:

Replace: The term “measuring” with “Measuring” in the Limiting references table, as shown below.

Measuring and regulating calender parameters, e.g. bank quantity	B29C 43/245
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