

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 652

DATE: FEBRUARY 1, 2019

PROJECT RP0568

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	B29C	47/00, 47/0002, 47/0004, 47/0007, 47/0009, 47/0011, 47/0014, 47/0016, 47/0019, 47/0021, 47/0023, 47/0026, 47/0028, 47/003, 47/0033, 47/0035, 47/0038, 47/004, 47/0042, 47/0045, 47/0047, 47/005, 47/0052, 47/0054, 47/0057, 47/0059, 47/0061, 47/0064, 47/0066, 47/0069, 47/0071, 47/0073, 47/0076, 47/0078, 47/008, 47/0083, 47/0085, 47/0088, 47/009, 47/0092, 47/0095, 47/0097, 47/02, 47/021, 47/022, 47/023, 47/025, 47/026, 47/027, 47/028, 47/04, 47/043, 47/046, 47/06, 47/061, 47/062, 47/064, 47/065, 47/067, 47/068, 47/08, 47/0801, 47/0803, 47/0805, 47/0806, 47/0808, 47/081, 47/0811, 47/0813, 47/0815, 47/0816, 47/0818, 47/082, 47/0822, 47/0823, 47/0825, 47/0827, 47/0828, 47/083, 47/0832, 47/0833, 47/0835, 47/0837, 47/0838, 47/084, 47/0842, 47/0844, 47/0845, 47/0847, 47/0849, 47/085, 47/0852, 47/0854, 47/0855, 47/0857, 47/0859, 47/0861, 47/0862, 47/0864, 47/0866, 47/0867, 47/0869, 47/0871, 47/0872, 47/0874, 47/0876, 47/0877, 47/0879, 47/0881, 47/0883, 47/0884, 47/0886, 47/0888, 47/0889, 47/0891, 47/0893, 47/0894, 47/0896, 47/0898, 47/10, 47/1009, 47/1018, 47/1027, 47/1036, 47/1045, 47/1054, 47/1063, 47/1072, 47/1081, 47/109, 47/12, 47/122, 47/124, 47/126, 47/128, 47/14, 47/145, 47/16, 47/165, 47/18, 47/20, 47/22, 47/225, 47/24, 47/26, 47/261, 47/263, 47/265, 47/266, 47/268, 47/28, 47/30, 47/32, 47/34, 47/36, 47/361, 47/362, 47/363, 47/364, 47/365, 47/366, 47/367, 47/368, 47/369, 47/38, 47/385, 47/40, 47/402, 47/404, 47/406, 47/408, 47/42, 47/44, 47/46, 47/48, 47/50, 47/52, 47/522, 47/525, 47/527, 47/54, 47/56, 47/58, 47/585, 47/60, 47/6006, 47/6012, 47/6018, 47/6025, 47/6031, 47/6037, 47/6043, 47/605, 47/6056, 47/6062, 47/6068, 47/6075, 47/6081, 47/6087, 47/6093, 47/62, 47/622, 47/625, 47/627,

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
		47/64, 47/66, 47/661, 47/662, 47/663, 47/664, 47/665, 47/666, 47/667, 47/668, 47/68, 47/681, 47/682, 47/683, 47/684, 47/685, 47/686, 47/687, 47/688, 47/70, 47/702, 47/705, 47/707, 47/72, 47/725, 47/74, 47/745, 47/76, 47/761, 47/762, 47/763, 47/765, 47/766, 47/767, 47/768, 47/78, 47/782, 47/784, 47/786, 47/788, 47/80, 47/802, 47/805, 47/807, 47/82, 47/822, 47/825, 47/827, 47/84, 47/842, 47/845, 47/847, 47/86, 47/862, 47/864, 47/866, 47/868, 47/88, 47/8805, 47/881, 47/8815, 47/882, 47/8825, 47/883, 47/8835, 47/884, 47/8845, 47/885, 47/8855, 47/886, 47/8865, 47/887, 47/8875, 47/888, 47/8885, 47/889, 47/8895, 47/90, 47/901, 47/902, 47/903, 47/904, 47/905, 47/906, 47/907, 47/908, 47/92, 47/94, 47/96, 47/965
Symbols Deleted:	B29C	2947/00, 2947/92, 2947/92009, 2947/92019, 2947/92028, 2947/92038, 2947/92047, 2947/92057, 2947/92066, 2947/92076, 2947/92085, 2947/92095, 2947/92104, 2947/92114, 2947/92123, 2947/92133, 2947/92142, 2947/92152, 2947/92161, 2947/92171, 2947/9218, 2947/9219, 2947/922, 2947/92209, 2947/92219, 2947/92228, 2947/92238, 2947/92247, 2947/92257, 2947/92266, 2947/92276, 2947/92285, 2947/92295, 2947/92304, 2947/92314, 2947/92323, 2947/92333, 2947/92342, 2947/92352, 2947/92361, 2947/92371, 2947/9238, 2947/9239, 2947/924, 2947/92409, 2947/92419, 2947/92428, 2947/92438, 2947/92447, 2947/92457, 2947/92466, 2947/92476, 2947/92485, 2947/92495, 2947/92504, 2947/92514, 2947/92523, 2947/92533, 2947/92542, 2947/92552, 2947/92561, 2947/92571, 2947/9258, 2947/9259, 2947/926, 2947/92609, 2947/92619, 2947/92628, 2947/92638, 2947/92647, 2947/92657, 2947/92666, 2947/92676, 2947/92685, 2947/92695, 2947/92704, 2947/92714, 2947/92723, 2947/92733, 2947/92742, 2947/92752, 2947/92761, 2947/92771, 2947/9278, 2947/9279, 2947/928, 2947/92809, 2947/92819, 2947/92828, 2947/92838, 2947/92847, 2947/92857, 2947/92866, 2947/92876, 2947/92885, 2947/92895, 2947/92904, 2947/92914, 2947/92923,

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
		2947/92933, 2947/92942, 2947/92952, 2947/92961, 2947/92971, 2947/9298, 2947/9299
Symbols New:	B29C	48/00, 48/001, 48/0011, 48/0012, 48/0013, 48/0014, 48/0015, 48/0016, 48/0017, 48/0018, 48/0019, 48/002, 48/0021, 48/0022, 48/0023, 48/02, 48/022, 48/023, 48/025, 48/0255, 48/03, 48/04, 48/05, 48/06, 48/07, 48/08, 48/09, 48/10, 48/11, 48/12, 48/13, 48/131, 48/14, 48/141, 48/142, 48/143, 48/144, 48/145, 48/146, 48/147, 48/1472, 48/1474, 48/1476, 48/1478, 48/15, 48/151, 48/152, 48/153, 48/154, 48/155, 48/156, 48/157, 48/16, 48/17, 48/175, 48/18, 48/185, 48/19, 48/20, 48/21, 48/22, 48/23, 48/25, 48/251, 48/2511, 48/2513, 48/2515, 48/2517, 48/2519, 48/252, 48/2522, 48/2526, 48/2528, 48/254, 48/2545, 48/255, 48/2552, 48/2554, 48/2556, 48/256, 48/2561, 48/2562, 48/2563, 48/2564, 48/2565, 48/2566, 48/2567, 48/2568, 48/25682, 48/25684, 48/25686, 48/265, 48/266, 48/2665, 48/267, 48/268, 48/269, 48/2692, 48/2694, 48/27, 48/271, 48/2715, 48/272, 48/2725, 48/273, 48/2735, 48/274, 48/275, 48/276, 48/277, 48/278, 48/28, 48/285, 48/286, 48/287, 48/288, 48/2883, 48/2886, 48/2888, 48/29, 48/295, 48/297, 48/298, 48/30, 48/3001, 48/3003, 48/301, 48/302, 48/303, 48/304, 48/305, 48/307, 48/31, 48/313, 48/315, 48/32, 48/325, 48/327, 48/33, 48/335, 48/336, 48/3363, 48/3366, 48/337, 48/338, 48/34, 48/345, 48/35, 48/355, 48/36, 48/361, 48/362, 48/363, 48/365, 48/37, 48/375, 48/38, 48/385, 48/387, 48/388, 48/39, 48/395, 48/397, 48/40, 48/402, 48/404, 48/405, 48/41, 48/415, 48/42, 48/425, 48/43, 48/435, 48/44, 48/445, 48/45, 48/455, 48/46, 48/465, 48/467, 48/468, 48/47, 48/475, 48/48, 48/485, 48/49, 48/495, 48/50, 48/501, 48/503, 48/505, 48/507, 48/509, 48/51, 48/515, 48/52, 48/525, 48/53, 48/535, 48/54, 48/55, 48/56, 48/565, 48/57, 48/575, 48/58, 48/585, 48/59, 48/595, 48/60, 48/605, 48/61, 48/615, 48/62, 48/625, 48/63, 48/635, 48/64, 48/645, 48/65, 48/655, 48/66, 48/67, 48/68, 48/6801, 48/6803, 48/681, 48/682, 48/683, 48/684, 48/685, 48/686, 48/687, 48/688,

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
		48/69, 48/691, 48/6912, 48/6914, 48/6916, 48/692, 48/693, 48/694, 48/6945, 48/695, 48/70, 48/705, 48/71, 48/72, 48/725, 48/74, 48/745, 48/76, 48/761, 48/762, 48/763, 48/765, 48/766, 48/767, 48/768, 48/78, 48/79, 48/793, 48/797, 48/80, 48/802, 48/82, 48/83, 48/832, 48/834, 48/84, 48/845, 48/85, 48/86, 48/865, 48/87, 48/872, 48/873, 48/875, 48/88, 48/885, 48/89, 48/90, 48/901, 48/902, 48/903, 48/904, 48/905, 48/906, 48/907, 48/908, 48/91, 48/9105, 48/911, 48/9115, 48/912, 48/9125, 48/913, 48/9135, 48/914, 48/9145, 48/915, 48/9155, 48/916, 48/9165, 48/917, 48/9175, 48/918, 48/9185, 48/919, 48/92, 48/94, 48/95, 48/96, 48/965
Symbols New:	B29C	2948/00, 2948/92, 2948/92009, 2948/92019, 2948/92028, 2948/92038, 2948/92047, 2948/92057, 2948/92066, 2948/92076, 2948/92085, 2948/92095, 2948/92104, 2948/92114, 2948/92123, 2948/92133, 2948/92142, 2948/92152, 2948/92161, 2948/92171, 2948/9218, 2948/9219, 2948/922, 2948/92209, 2948/92219, 2948/92228, 2948/92238, 2948/92247, 2948/92257, 2948/92266, 2948/92276, 2948/92285, 2948/92295, 2948/92304, 2948/92314, 2948/92323, 2948/92333, 2948/92342, 2948/92352, 2948/92361, 2948/92371, 2948/9238, 2948/9239, 2948/924, 2948/92409, 2948/92419, 2948/92428, 2948/92438, 2948/92447, 2948/92457, 2948/92466, 2948/92476, 2948/92485, 2948/92495, 2948/92504, 2948/92514, 2948/92523, 2948/92533, 2948/92542, 2948/92552, 2948/92561, 2948/92571, 2948/9258, 2948/9259, 2948/926, 2948/92609, 2948/92619, 2948/92628, 2948/92638, 2948/92647, 2948/92657, 2948/92666, 2948/92676, 2948/92685, 2948/92695, 2948/92704, 2948/92714, 2948/92723, 2948/92733, 2948/92742, 2948/92752, 2948/92761, 2948/92771, 2948/9278, 2948/9279, 2948/928, 2948/92809, 2948/92819, 2948/92828, 2948/92838, 2948/92847, 2948/92857, 2948/92866, 2948/92876, 2948/92885, 2948/92895, 2948/92904, 2948/92914, 2948/92923, 2948/92933, 2948/92942, 2948/92952,

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
		2948/92961, 2948/92971, 2948/9298, 2948/9299
Warnings New:	B29C	48/03, 48/04, 48/05, 48/06, 48/07, 48/08, 48/09, 48/10, 48/11, 48/12, 48/13, 48/131, 48/16, 48/17, 48/175, 48/18, 48/185, 48/19, 48/20, 48/21, 48/22, 48/23, 48/255, 48/28, 48/30, 48/355, 48/36, 48/365, 48/38, 48/385, 48/40, 48/405, 48/41, 48/415, 48/425, 48/43, 48/435, 48/44, 48/46, 48/47, 48/475, 48/48, 48/485, 48/49, 48/495, 48/505, 48/51, 48/515, 48/52, 48/525, 48/58, 48/59, 48/595, 48/60, 48/605, 48/61, 48/615, 48/635, 48/64, 48/66, 48/691, 48/693, 48/694, 48/695, 48/70, 48/705, 48/71, 48/82, 48/84, 48/88, 48/885, 48/89, 48/94, 48/95
Notes Deleted:	B29C	47/0004, 47/88, 47/92
Notes New:	B29C	48/022, 48/88, 48/92
	B01D	21/00
Notes Modified:	B29K	Subclass
Guidance Headings Modified:	B01D	23/00
DEFINITIONS:		
Definitions Deleted:	B29C	47/00, 47/0002, 47/0004, 47/0007, 47/0009, 47/0011, 47/0014, 47/0016, 47/0019, 47/0021, 47/0023, 47/0026, 47/0028, 47/003, 47/0033, 47/0035, 47/0047, 47/005, 47/0052, 47/0054, 47/0057, 47/0059, 47/0066, 47/0069, 47/0071, 47/0076, 47/02, 47/043, 47/046, 47/06, 47/061, 47/062, 47/064, 47/065, 47/067, 47/068, 47/0801, 47/0806, 47/0811, 47/0818, 47/0825, 47/0827, 47/0828, 47/083, 47/0832, 47/0838, 47/0842, 47/085, 47/0854, 47/0862, 47/0866, 47/0871, 47/0876, 47/10, 47/1009, 47/1018, 47/1027, 47/1036, 47/1045, 47/1063, 47/1072, 47/1081, 47/124, 47/126, 47/128, 47/14, 47/145, 47/16, 47/22, 47/26, 47/28, 47/30, 47/32, 47/36, 47/364, 47/365, 47/367, 47/369, 47/38, 47/40, 47/406, 47/408, 47/42, 47/44, 47/50, 47/52, 47/54, 47/56, 47/585, 47/60, 47/6075, 47/6087, 47/66, 47/665, 47/68, 47/70, 47/702, 47/705, 47/72, 47/74, 47/76, 47/762, 47/763, 47/765, 47/766, 47/78,

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
		47/88, 47/8845, 47/8895, 47/90, 47/902, 47/92, 47/94
Definitions New:	B29C	48/00, 48/0011, 48/0014, 48/0015, 48/0016, 48/0017, 48/0018, 48/0019, 48/002, 48/0021, 48/0022, 48/0023, 48/02, 48/022, 48/023, 48/025, 48/0255, 48/03, 48/04, 48/05, 48/06, 48/07, 48/08, 48/09, 48/10, 48/11, 48/12, 48/13, 48/131, 48/14, 48/142, 48/15, 48/17, 48/175, 48/18, 48/185, 48/19, 48/20, 48/21, 48/22, 48/23, 48/251, 48/2519, 48/252, 48/2528, 48/255, 48/256, 48/2564, 48/2565, 48/2566, 48/2567, 48/2568, 48/266, 48/267, 48/268, 48/2694, 48/285, 48/286, 48/287, 48/288, 48/2883, 48/2886, 48/29, 48/295, 48/297, 48/3001, 48/302, 48/303, 48/304, 48/305, 48/307, 48/31, 48/325, 48/335, 48/34, 48/345, 48/35, 48/36, 48/37, 48/375, 48/38, 48/387, 48/39, 48/395, 48/40, 48/42, 48/425, 48/435, 48/45, 48/46, 48/475, 48/49, 48/501, 48/503, 48/505, 48/59, 48/625, 48/68, 48/685, 48/69, 48/70, 48/705, 48/72, 48/74, 48/76, 48/762, 48/763, 48/765, 48/766, 48/78, 48/88, 48/90, 48/902, 48/914, 48/919, 48/92, 48/94

The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL):

A23P, A61M, B01D, B01F, B05, B05B, B21C, B27N, B28B, B29B, B29C, B29D, B30B, B32B, B60J, B65G, B66B, B81C, C03B, C04B, C08G, D01D, D07B, E04B, E04C, E05Y, F04C, F25D, F28F, G01J, G02B, H01B, H04R

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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

<u>Type</u> *	<u>Symbol</u>	<u>Indent Level Number of dots</u> (e.g. 0, 1, 2)	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to</u> [#]
D	B29C 47/00	0	Extrusion moulding, i.e. expressing the moulding material through a die or nozzle which imparts the desired form; Apparatus therefor (extrusion blow-moulding B29C 49/04)	<administrative transfer to B29C 48/00>
D	B29C 47/0002	1	{Small extruders, e.g. handheld extruders or laboratory extruders}	<administrative transfer to B29C 48/02>
D	B29C 47/0004	1	{characterised by the choice of material}	<administrative transfer to B29C 48/022>
D	B29C 47/0007	2	{Extruding materials comprising incompatible ingredients}	<administrative transfer to B29C 48/023>
D	B29C 47/0009	1	{characterised by the shape of the articles}	<administrative transfer to B29C 48/03>
D	B29C 47/0011	2	{Particle-shaped (making granules B29B 9/00)}	<administrative transfer to B29C 48/04>
D	B29C 47/0014	2	{Filamentary-shaped articles, e.g. strands (making granules in the form of filamentary material B29B 9/06)}	<administrative transfer to B29C 48/05>
D	B29C 47/0016	2	{Rod-shaped articles}	<administrative transfer to B29C 48/06>
D	B29C 47/0019	2	{Flat rigid articles, e.g. panels, plates}	<administrative transfer to B29C 48/07>
D	B29C 47/0021	2	{Flat flexible articles, e.g. sheets, foils or films}	<administrative transfer to B29C 48/08>
D	B29C 47/0023	2	{Hollow rigid articles having only one tubular passage}	<administrative transfer to B29C 48/09>
D	B29C 47/0026	2	{Hollow flexible articles, e.g. blown foils or films}	<administrative transfer to B29C 48/10>
D	B29C 47/0028	2	{Multi-passage hollow articles, e.g. having at least two holes, e.g. honeycomb articles}	<administrative transfer to B29C 48/11>
D	B29C 47/003	2	{Articles having cross-sectional irregularities, i.e. being non-flat or having cylindrical cross-sections perpendicular to the extrusion direction}	<administrative transfer to B29C 48/12>

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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[#]
D	B29C 47/0033	2	{Articles having longitudinal irregularities, i.e. the cross-section being non- constant in the extrusion direction}	<administrative transfer to B29C 48/13>
D	B29C 47/0035	2	{Curved articles}	<administrative transfer to B29C 48/131>
D	B29C 47/0038	1	{Combined shaping operations}	<administrative transfer to B29C 48/001>
D	B29C 47/004	2	{Extrusion moulding combined with compression moulding (compression moulding in general B29C 43/00)}	<administrative transfer to B29C 48/0011>
D	B29C 47/0042	2	{Extrusion moulding combined with shaping by internal pressure generated in the material, e.g. foaming (shaping by internal pressure generated in the material, e.g. foaming, in general B29C 44/00)}	<administrative transfer to B29C 48/0012>
D	B29C 47/0045	2	{Extrusion moulding in several steps, i.e. components merging outside the die (B29C 47/02 takes precedence)}	<administrative transfer to B29C 48/0013>
D	B29C 47/0047	3	{producing flat articles having components brought in contact outside the extrusion die}	<administrative transfer to B29C 48/0014>
D	B29C 47/005	3	{producing hollow articles having components brought in contact outside the extrusion die}	<administrative transfer to B29C 48/0015>
D	B29C 47/0052	4	{using a plurality of extrusion dies}	<administrative transfer to B29C 48/0016>
D	B29C 47/0054	2	{Extrusion moulding combined with blow-moulding or thermoforming (blow-moulding in general B29C 49/00; thermoforming in general B29C 51/00)}	<administrative transfer to B29C 48/0017>
D	B29C 47/0057	2	{Extrusion moulding combined with shaping by orienting, stretching or shrinking, e.g. film blowing (B29C 47/0054 takes precedence; shaping by stretching in general B29C 55/00; shaping by liberation of internal stresses in general B29C 61/00)}	<administrative transfer to B29C 48/0018>
D	B29C 47/0059	2	{Extrusion moulding combined with shaping by flattening, folding or bending (bending, folding or flattening in general B29C 53/00)}	<administrative transfer to B29C 48/0019>
D	B29C 47/0061	2	{Extrusion moulding combined with surface shaping (surface shaping in general B29C 59/00)}	<administrative transfer to B29C 48/002>

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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[#]
D	B29C 47/0064	2	{Extrusion moulding combined with joining, lining or laminating (joining in general B29C 65/00; lining in general B29C 63/00; laminating in general B32B 37/00)}	<administrative transfer to B29C 48/0021>
D	B29C 47/0066	2	{Extrusion moulding combined with cutting}	<administrative transfer to B29C 48/0022>
D	B29C 47/0069	2	{Extrusion moulding combined with printing or marking}	<administrative transfer to B29C 48/0023>
D	B29C 47/0071	1	{extruding under particular conditions, e.g. in particular environments or using vacuum or vibrations}	<administrative transfer to B29C 48/14>
D	B29C 47/0073	2	{extruding in a clean room}	<administrative transfer to B29C 48/141>
D	B29C 47/0076	2	{using force fields, e.g. gravity or electrical fields (B29C 47/887 takes precedence)}	<administrative transfer to B29C 48/142>
D	B29C 47/0078	2	{at a location before or in the feed unit, e.g. influencing the material in the hopper}	<administrative transfer to B29C 48/143>
D	B29C 47/008	2	{at the plasticising zone}	<administrative transfer to B29C 48/144>
D	B29C 47/0083	2	{at a venting zone}	<administrative transfer to B29C 48/145>
D	B29C 47/0085	2	{in the die}	<administrative transfer to B29C 48/146>
D	B29C 47/0088	2	{after the die nozzle}	<administrative transfer to B29C 48/147>
D	B29C 47/009	3	{at the die nozzle exit zone}	<administrative transfer to B29C 48/1472>
D	B29C 47/0092	3	{at a calibration zone}	<administrative transfer to B29C 48/1474>
D	B29C 47/0095	3	{at a conveyor}	<administrative transfer to B29C 48/1476>
D	B29C 47/0097	3	{at a storing zone}	<administrative transfer to B29C 48/1478>
D	B29C 47/02	1	incorporating preformed parts or layers, e.g. extrusion moulding around inserts or for coating articles	<administrative transfer to B29C 48/15>
D	B29C 47/021	2	{Coating hollow articles}	<administrative transfer to B29C 48/151>
D	B29C 47/022	3	{Coating the interior of hollow articles}	<administrative transfer to B29C 48/152>
D	B29C 47/023	3	{Coating the inner and outer surfaces of hollow reinforcement}	<administrative transfer to B29C 48/153>

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D	B29C 47/025	2	{Coating non-hollow articles}	<administrative transfer to B29C 48/154>
D	B29C 47/026	3	{partially}	<administrative transfer to B29C 48/155>
D	B29C 47/027	2	{Simultaneous coating of more than one article}	<administrative transfer to B29C 48/156>
D	B29C 47/028	2	{Coating discontinuous element or linked elements}	<administrative transfer to B29C 48/157>
D	B29C 47/04	1	of multilayered {or multi-component, e.g. co-extruded layers or components} or multicoloured articles {or coloured articles}{(adapter blocks B29C 47/56)}	<administrative transfer to B29C 48/16>
D	B29C 47/043	2	{Coloured articles}	<administrative transfer to B29C 48/17>
D	B29C 47/046	3	{comprising a multi-coloured single component, e.g. striated, marbled or wood-like patterned}	<administrative transfer to B29C 48/175>
D	B29C 47/06	2	Multilayered articles {or multi-component articles}	<administrative transfer to B29C 48/18>
D	B29C 47/061	3	{comprising six or more components, i.e. each component being counted once for each time it is present, e.g. in a layer}	<administrative transfer to B29C 48/185>
D	B29C 47/062	3	{with components adjacent to each other, i.e. components merging at their short sides}	<administrative transfer to B29C 48/19>
D	B29C 47/064	4	{in the form of a thin strip, e.g. in the form of a helical pattern or mark lines}	<administrative transfer to B29C 48/19 and B29C 48/20 simultaneously>
D	B29C 47/065	3	{with components in layered configuration, i.e. components merging at their long sides}	<administrative transfer to B29C 48/21>
D	B29C 47/067	3	{using means for adhering the layers or components, e.g. using tie layers, irregularities or undercuts}	<administrative transfer to B29C 48/22>
D	B29C 47/068	3	{using means for avoiding adhering the layers or components, e.g. articles comprising peelable layers}	<administrative transfer to B29C 48/23>
D	B29C 47/08	1	Component parts, details or accessories; Auxiliary operations	<administrative transfer to B29C 48/25>
D	B29C 47/0801	2	{Drive or actuation means; Transmission means; Screw supporting means}	<administrative transfer to B29C 48/252>
D	B29C 47/0803	3	{Shaft or screw supports, e.g. bearings}	<administrative transfer to B29C 48/2522>

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D	B29C 47/0805	3	{Direct drives or gear boxes }	<administrative transfer to B29C 48/2526>
D	B29C 47/0806	3	{Drive or actuation means for non-plasticising purposes, e.g. dosing unit }	<administrative transfer to B29C 48/2528>
D	B29C 47/0808	2	{Sealing means }	<administrative transfer to B29C 48/254>
D	B29C 47/081	3	{for filters }	<administrative transfer to B29C 48/2545>
D	B29C 47/0811	2	{Flow control means, i.e. adjustable parts, e.g. valves (throttling of flow B29C 47/0871)}	<administrative transfer to B29C 48/255>
D	B29C 47/0813	3	{in the feeding, melting, plasticising or pumping zone, e.g. screw, barrel, gear-pump or ram }	<administrative transfer to B29C 48/2552 >
D	B29C 47/0815	3	{provided in or in the proximity of filter devices }	<administrative transfer to B29C 48/2554 >
D	B29C 47/0816	3	{provided in or in the proximity of dies (B29C 47/124, B29C 47/16, B29C 47/22 take precedence)}	<administrative transfer to B29C 48/2556 >
D	B29C 47/0818	2	{Exchangeable extruder parts (B29C 47/681 takes precedence)}	<administrative transfer to B29C 48/256 >
D	B29C 47/082	3	{Mounting and handling of the screw }	<administrative transfer to B29C 48/2561 >
D	B29C 47/0822	3	{Mounting and handling of the die }	<administrative transfer to B29C 48/2562 >
D	B29C 47/0823	3	{Mounting and handling of the hopper or feeder }	<administrative transfer to B29C 48/2563 >
D	B29C 47/0825	3	{Screw parts }	<administrative transfer to B29C 48/2564 >
D	B29C 47/0827	3	{Barrel parts }	<administrative transfer to B29C 48/2565 >
D	B29C 47/0828	3	{Die parts }	<administrative transfer to B29C 48/2566 >
D	B29C 47/083	3	{Hopper or feeder parts }	<administrative transfer to B29C 48/2567 >
D	B29C 47/0832	3	{Inserts }	<administrative transfer to B29C 48/2568 >
D	B29C 47/0833	4	{for screws }	<administrative transfer to B29C 48/25682 >
D	B29C 47/0835	4	{for barrels }	<administrative transfer to B29C 48/25684 >
D	B29C 47/0837	4	{for dies }	<administrative transfer to B29C 48/25686 >
D	B29C 47/0838	2	{General arrangement or layout of plants }	<administrative transfer to B29C 48/025>

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D	B29C 47/084	3	{for extruding parallel streams of material, e.g. several separate parallel streams of extruded material forming separate articles (B29C 47/30, B29C 47/0045 take precedence)}	<administrative transfer to B29C 48/0255 >
D	B29C 47/0842	2	{Extruder machines or parts thereof characterised by the material or by their manufacturing process (B29C 47/0818 take precedence; making of dies B23P 15/24)}	<administrative transfer to B29C 48/503>
D	B29C 47/0844	3	{Screws}	<administrative transfer to B29C 48/507 >
D	B29C 47/0845	4	{Material therefor, e.g. coating or lining}	<administrative transfer to B29C 48/509>
D	B29C 47/0847	3	{Barrels}	<administrative transfer to B29C 48/6801 >
D	B29C 47/0849	4	{Material therefor, e.g. coating or lining}	<administrative transfer to B29C 48/6803 >
D	B29C 47/085	3	{Dies}	<administrative transfer to B29C 48/3001 and B29C 48/30 simultaneously>
D	B29C 47/0852	4	{Material therefor, e.g. coating or lining}	<administrative transfer to B29C 48/3003 and B29C 48/30 simultaneously>
D	B29C 47/0854	2	{Design of extruder parts, e.g. by modelling based on mathematical theories or experiments}	<administrative transfer to B29C 48/251 >
D	B29C 47/0855	3	{by modelling material flow, e.g. melt interaction with screw and barrel}	<administrative transfer to B29C 48/2511 >
D	B29C 47/0857	4	{in the plasticising zone}	<administrative transfer to B29C 48/2513 >
D	B29C 47/0859	4	{in the die zone}	<administrative transfer to B29C 48/2515 >
D	B29C 47/0861	3	{of intermeshing screws}	<administrative transfer to B29C 48/2517>
D	B29C 47/0862	3	{by modelling of mechanical strength}	<administrative transfer to B29C 48/2519 >
D	B29C 47/0864	2	{Machine bases, support structures or frames}	<administrative transfer to B29C 48/265>
D	B29C 47/0866	2	{Means for allowing relative movements between the apparatus parts, e.g. for twisting the extruded article or for moving the die along a surface to be coated}	<administrative transfer to B29C 48/266>
D	B29C 47/0867	3	{allowing small relative movement, e.g. adjustments for aligning the apparatus parts or for compensating for thermal expansion}	<administrative transfer to B29C 48/2665>

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D	B29C 47/0869	2	{Intermediate treatments, e.g. relaxation, annealing or decompression step for the melt (B29C 47/76 takes precedence)}	<administrative transfer to B29C 48/267>
D	B29C 47/0871	2	{Throttling of the flow, e.g. for cooperating with plasticising elements or for degassing (flow control means B29C 47/0811)}	<administrative transfer to B29C 48/268>
D	B29C 47/0872	2	{Extrusion in non-steady condition, e.g. start-up or shut-down}	<administrative transfer to B29C 48/269>
D	B29C 47/0874	3	{Material change}	<administrative transfer to B29C 48/2692>
D	B29C 47/0876	3	{Intermittent extrusion}	<administrative transfer to B29C 48/2694>
D	B29C 47/0877	2	{Cleaning, purging; Avoiding contamination for cleaning extruder parts}	<administrative transfer to B29C 48/27>
D	B29C 47/0879	3	{of feeding units}	<administrative transfer to B29C 48/271>
D	B29C 47/0881	3	{of plasticising units}	<administrative transfer to B29C 48/2715>
D	B29C 47/0883	3	{of dies}	<administrative transfer to B29C 48/272>
D	B29C 47/0884	3	{of filters}	<administrative transfer to B29C 48/2725>
D	B29C 47/0886	4	{using back flow}	<administrative transfer to B29C 48/273>
D	B29C 47/0888	4	{using scrapers}	<administrative transfer to B29C 48/2735>
D	B29C 47/0889	3	{of the extruded articles}	<administrative transfer to B29C 48/274>
D	B29C 47/0891	2	{Recovering or reusing of energy, materials or the like}	<administrative transfer to B29C 48/275>
D	B29C 47/0893	3	{of energy}	<administrative transfer to B29C 48/276>
D	B29C 47/0894	3	{of materials}	<administrative transfer to B29C 48/277>
D	B29C 47/0896	4	{of additives or processing aids}	<administrative transfer to B29C 48/278>
D	B29C 47/0898	2	{Storing of the manufactured articles, e.g. winding up or stacking}	<administrative transfer to B29C 48/28>
D	B29C 47/10	2	Feeding the material to the extruder	<administrative transfer to B29C 48/285>
D	B29C 47/1009	3	{Raw material dosing}	<administrative transfer to B29C 48/286>

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D	B29C 47/1018	3	{Raw material pre-treatment while feeding (pre-treatment of the material to be shaped in general B29B 15/00; handling of the material to be shaped in general B29C 31/00; B29C 47/78 takes precedence)}	<administrative transfer to B29C 48/287>
D	B29C 47/1027	3	{in solid form, e.g. powder or granules}	<administrative transfer to B29C 48/288>
D	B29C 47/1036	4	{of preformed parts, e.g. inserts that are fed and transported generally uninfluenced through the extruder or fed directly to the die}	<administrative transfer to B29C 48/2883>
D	B29C 47/1045	4	{of fibrous, filamentary or filling materials, e.g. thin fibrous reinforcements or fillers}	<administrative transfer to B29C 48/2886>
D	B29C 47/1054	4	{in band and/or in strip form, e.g. rubber strips}	<administrative transfer to B29C 48/2888>
D	B29C 47/1063	3	{in liquid form}	<administrative transfer to B29C 48/29>
D	B29C 47/1072	3	{in gaseous form}	<administrative transfer to B29C 48/295>
D	B29C 47/1081	3	{at several locations, e.g. using several hoppers or using a separate additive feeding}	<administrative transfer to B29C 48/297>
D	B29C 47/109	3	{in a location other than through a barrel, e.g. through a screw}	<administrative transfer to B29C 48/298>
D	B29C 47/12	2	Extrusion nozzles or dies	<administrative transfer to B29C 48/30>
D	B29C 47/122	3	{having reciprocating, oscillating or rotating parts}	<administrative transfer to B29C 48/301 and B29C 48/30 simultaneously>
D	B29C 47/124	3	{being adjustable, i.e. having adjustable exit sections}	<administrative transfer to B29C 48/302 and B29C 48/30 simultaneously>
D	B29C 47/126	3	{using dies or die parts movable in a closed circuit, e.g. mounted on movable endless support (B29C 47/32 takes precedence)}	<administrative transfer to B29C 48/303 and B29C 48/30 simultaneously>
D	B29C 47/128	3	{specially adapted for bringing together components, e.g. melts within the die}	<administrative transfer to B29C 48/304 and B29C 48/30 simultaneously>
D	B29C 47/14	3	with broad opening, e.g. for sheets	<administrative transfer to B29C 48/305 and B29C 48/30 simultaneously>
D	B29C 47/145	4	{specially adapted for bringing together components, e.g. melts within the die}	<administrative transfer to B29C 48/307 and B29C 48/30 simultaneously>

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D	B29C 47/16	4	{being} adjustable {, i.e. having adjustable exit sections}	<administrative transfer to B29C 48/31 and B29C 48/30 simultaneously>
D	B29C 47/165	5	{by positioning the die lips}	<administrative transfer to B29C 48/313 and B29C 48/30 simultaneously>
D	B29C 47/18	4	with die parts oscillating relative to each other	<administrative transfer to B29C 48/315 and B29C 48/30 simultaneously>
D	B29C 47/20	3	with annular opening, e.g. for tubular articles	<administrative transfer to B29C 48/32 and B29C 48/30 simultaneously>
D	B29C 47/22	4	{being} adjustable {, i.e. having adjustable exit sections}	<administrative transfer to B29C 48/325 and B29C 48/30 simultaneously>
D	B29C 47/225	5	{with centering means}	<administrative transfer to B29C 48/327 and B29C 48/30 simultaneously>
D	B29C 47/24	4	with die parts rotatable relative to each other	<administrative transfer to B29C 48/33 and B29C 48/30 simultaneously>
D	B29C 47/26	4	Multiple annular extrusion nozzles {specially adapted for bringing together components, e.g. melts within the die}	<administrative transfer to B29C 48/335 and B29C 48/30 simultaneously>
D	B29C 47/261	5	{the components merging one by one down streams in the die}	<administrative transfer to B29C 48/336 and B29C 48/30 simultaneously>
D	B29C 47/263	6	{using a layered die, e.g. stacked discs}	<administrative transfer to B29C 48/3363 and B29C 48/30 simultaneously>
D	B29C 47/265	6	{using a die with concentric parts, e.g. rings, cylinders}	<administrative transfer to B29C 48/3366 and B29C 48/30 simultaneously>
D	B29C 47/266	5	{the components merging at a common location}	<administrative transfer to B29C 48/337 and B29C 48/30 simultaneously>
D	B29C 47/268	6	{using a die with concentric parts, e.g. rings, cylinders}	<administrative transfer to B29C 48/338 and B29C 48/30 simultaneously>
D	B29C 47/28	4	Cross-head annular extrusion nozzles	<administrative transfer to B29C 48/34 and B29C 48/30 simultaneously>
D	B29C 47/30	3	Multi-port extrusion nozzles {(for making granules in the form of filamentary material B29B 9/06)}	<administrative transfer to B29C 48/345 and B29C 48/30 simultaneously>

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D	B29C 47/32	3	Roller-extrusion nozzles	<administrative transfer to B29C 48/35 and B29C 48/30 simultaneously>
D	B29C 47/34	2	Conveyors for extruded material {(B29C 47/0898 takes precedence)}	<administrative transfer to B29C 48/355>
D	B29C 47/36	2	Means for plasticising or homogenising the moulding material or forcing it through the nozzle or die	<administrative transfer to B29C 48/36>
D	B29C 47/361	3	{with the barrel or with a part thereof rotating}	<administrative transfer to B29C 48/361>
D	B29C 47/362	3	{using static mixing devices}	<administrative transfer to B29C 48/362>
D	B29C 47/363	3	{using non-actuated dynamic mixing devices}	<administrative transfer to B29C 48/363>
D	B29C 47/364	3	{using gear pumps}	<administrative transfer to B29C 48/37>
D	B29C 47/365	3	{Multi stage plasticisers, homogenisers or feeders (multi stage plasticisers using at least two screws in the same barrel B29C 47/50)}	<administrative transfer to B29C 48/375>
D	B29C 47/366	4	{using a first screw extruder and a second screw extruder}	<administrative transfer to B29C 48/385>
D	B29C 47/367	4	{using a screw extruder and a gear pump}	<administrative transfer to B29C 48/387>
D	B29C 47/368	4	{using a screw extruder and a ram or piston}	<administrative transfer to B29C 48/388>
D	B29C 47/369	4	{Partial multi-stage}	<administrative transfer to B29C 48/39>
D	B29C 47/38	3	using screws {surrounded by a cooperating barrel}	<administrative transfer to B29C 48/395>
D	B29C 47/385	4	{using a single screw}	<administrative transfer to B29C 48/397>
D	B29C 47/40	4	using at least two {parallel} intermeshing screws {or at least two parallel non-intermeshing screws}	<administrative transfer to B29C 48/40>
D	B29C 47/402	5	{the screws having intermeshing parts}	<administrative transfer to B29C 48/402>
D	B29C 47/404	5	{the screws having non-intermeshing parts}	<administrative transfer to B29C 48/404>
D	B29C 47/406	5	{using non-identical or non-mirrored screws}	<administrative transfer to B29C 48/42>
D	B29C 47/408	5	{using more than two screws (B29C 47/42 takes precedence)}	<administrative transfer to B29C 48/425>
D	B29C 47/42	5	using sub-screws, e.g. planetary screws	<administrative transfer to B29C 48/435 and B29C 48/425 simultaneously>

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D	B29C 47/44	4	using axially movable screws {in relation to the barrel }	<administrative transfer to B29C 48/45>
D	B29C 47/46	4	using screws extruding in opposite directions {, e.g. separate screws arranged after each other and feeding in opposite directions }	<administrative transfer to B29C 48/455>
D	B29C 47/48	4	using screws arranged coaxially, one within the other	<administrative transfer to B29C 48/445>
D	B29C 47/50	4	using at least two screws {in the same barrel }, one after the other, e.g. multi stage plasticisers	<administrative transfer to B29C 48/38>
D	B29C 47/52	3	using rollers or discs	<administrative transfer to B29C 48/46>
D	B29C 47/522	4	{using rollers }	<administrative transfer to B29C 48/465>
D	B29C 47/525	5	{using single rollers, e.g. provided with protrusions, closely surrounded by a housing with movement of the material in the axial direction }	<administrative transfer to B29C 48/467>
D	B29C 47/527	6	{Cavity transfer mixing devices, i.e. a roller and surrounding barrel both provided with cavities; Barrels and rollers therefor }	<administrative transfer to B29C 48/468>
D	B29C 47/54	3	using press rams or pistons {or accumulators }	<administrative transfer to B29C 48/475>
D	B29C 47/56	3	using more than one extruder to feed one die	<administrative transfer to B29C 48/49>
D	B29C 47/58	3	Details	<administrative transfer to B29C 48/50>
D	B29C 47/585	4	{Extruder feed section }	<administrative transfer to B29C 48/501>
D	B29C 47/60	4	Screws {(screws characterized by the material or by their manufacturing process B29C 47/0844)}	<administrative transfer to B29C 48/505>
D	B29C 47/6006	5	{Hollow screws, i.e. comprising flow passage inside the screws }	<administrative transfer to B29C 48/51>
D	B29C 47/6012	5	{having varying outer diameter, e.g. screws with a conical part }	<administrative transfer to B29C 48/52>
D	B29C 47/6018	5	{having varying channel depth }	<administrative transfer to B29C 48/53>
D	B29C 47/6025	5	{having variable channel pitch }	<administrative transfer to B29C 48/535>
D	B29C 47/6031	5	{having forward feeding elements }	<administrative transfer to B29C 48/54>
D	B29C 47/6037	5	{having reverse feeding elements }	<administrative transfer to B29C 48/55>

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D	B29C 47/6043	5	{having grooves or cavities}	<administrative transfer to B29C 48/56 >
D	B29C 47/605	5	{having projections with a short length in the screw direction, e.g. pins}	<administrative transfer to B29C 48/565>
D	B29C 47/6056	5	{having kneading disc like elements, e.g. staggered discontinuous elements with a generally oval cross section}	<administrative transfer to B29C 48/57>
D	B29C 47/6062	5	{having shear ring like elements, i.e. with a generally circular cross section}	<administrative transfer to B29C 48/575>
D	B29C 47/6068	5	{having gears, i.e. interacting with the flow}	<administrative transfer to B29C 48/585>
D	B29C 47/6075	5	{characterised by thread details, i.e. by the special shape of a single thread, e.g. by irregularities within one thread}	<administrative transfer to B29C 48/59>
D	B29C 47/6081	5	{characterised by valley details, i.e. by the special shape of a single valley, e.g. by irregularities within one valley}	<administrative transfer to B29C 48/62>
D	B29C 47/6087	5	{characterised by the length of the screw or of a section}	<administrative transfer to B29C 48/625>
D	B29C 47/6093	5	{having parts without mixing elements, e.g. having cylinder shaped sections}	<administrative transfer to B29C 48/63>
D	B29C 47/62	5	having more than one screw-thread {, i.e. the screw cross section showing at least two threads}	<administrative transfer to B29C 48/64>
D	B29C 47/622	6	{the neighbouring threads and channels having identical configurations}	<administrative transfer to B29C 48/645>
D	B29C 47/625	6	{the neighbouring threads or channels having different configurations, e.g. one flight having constantly a smaller diameter or height than the neighbouring flight}	<administrative transfer to B29C 48/65>
D	B29C 47/627	6	{being multi-flight and having three or more flights}	<administrative transfer to B29C 48/655>
D	B29C 47/64	5	having incorporated mixing devices {(B29C 47/6006 - B29C 47/627 take precedence)}	<administrative transfer to B29C 48/67>
D	B29C 47/66	4	Barrels or cylinders	<administrative transfer to B29C 48/68>
D	B29C 47/661	5	{for single screws}	<administrative transfer to B29C 48/681>
D	B29C 47/662	5	{for twin screws}	<administrative transfer to B29C 48/682>
D	B29C 47/663	5	{for more than two screws}	<administrative transfer to B29C 48/683>

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D	B29C 47/664	5	{having adaptable feed or discharge locations, e.g. for varying the amount of kneading by changing hopper position or discharge exit}	<administrative transfer to B29C 48/684>
D	B29C 47/665	5	{with irregular inner surfaces}	<administrative transfer to B29C 48/685>
D	B29C 47/666	6	{having grooves or cavities}	<administrative transfer to B29C 48/686>
D	B29C 47/667	6	{having projections with a short length in the barrel direction, e.g. pins}	<administrative transfer to B29C 48/687>
D	B29C 47/668	6	{having threads}	<administrative transfer to B29C 48/688>
D	B29C 47/68	4	Filters {; Screens}	<administrative transfer to B29C48/69>
D	B29C 47/681	5	{Filtering devices with at least two parallel filters to be used alternately; Movable filters and changing mechanisms therefor}	<administrative transfer to B29C 48/691>
D	B29C 47/682	6	{the filters being fitted on a single rectilinearly reciprocating slide (B29C 47/685 takes precedence)}	<administrative transfer to B29C 48/6912>
D	B29C 47/683	6	{the filters being fitted on a rotatable or pivotable disc or on the circumference of a rotatable or pivotable cylinder}	<administrative transfer to B29C 48/6914>
D	B29C 47/684	7	{Continuously rotating cylindrical filters}	<administrative transfer to B29C 48/6916>
D	B29C 47/685	6	{the filters being in the form of a continuous web displaceable to utilise adjacent areas consecutively}	<administrative transfer to B29C 48/692>
D	B29C 47/686	5	{Substantially flat filters mounted at the end of an extruder screw and perpendicular to its axis (B29C 47/681 takes precedence)}	<administrative transfer to B29C 48/693>
D	B29C 47/687	5	{Cylindrical or conical filters (B29C 47/681 takes precedence)}	<administrative transfer to B29C 48/694>
D	B29C 47/688	6	{surrounding a rotating screw}	<administrative transfer to B29C 48/6945>
D	B29C 47/70	4	Flow dividers	<administrative transfer to B29C 48/695>
D	B29C 47/702	5	{comprising means for dividing, distributing and recombining melt flows}	<administrative transfer to B29C 48/70>
D	B29C 47/705	6	{in the die zone, e.g. to create flow homogeneity}	<administrative transfer to B29C 48/705>
D	B29C 47/707	6	{component or layer multiplying}	<administrative transfer to B29C 48/71 and B29C 48/255 simultaneously>

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D	B29C 47/72	4	Feedback means	<administrative transfer to B29C 48/72>
D	B29C 47/725	5	{for plasticising or homogenising devices}	<administrative transfer to B29C 48/725>
D	B29C 47/74	4	By-pass means	<administrative transfer to B29C 48/74>
D	B29C 47/745	5	{for plasticising or homogenising devices}	<administrative transfer to B29C 48/745>
D	B29C 47/76	4	Venting, {drying} or degassing means	<administrative transfer to B29C 48/76>
D	B29C 47/761	5	{the vented material being in liquid form}	<administrative transfer to B29C 48/761>
D	B29C 47/762	5	{Vapour stripping}	<administrative transfer to B29C 48/762>
D	B29C 47/763	5	{Vent constructions, e.g. venting means avoiding melt escape}	<administrative transfer to B29C 48/763>
D	B29C 47/765	5	{in the extruder apparatus}	<administrative transfer to B29C 48/765>
D	B29C 47/766	6	{in screw extruders}	<administrative transfer to B29C 48/766>
D	B29C 47/767	7	{through a degassing opening of a barrel}	<administrative transfer to B29C 48/767>
D	B29C 47/768	5	{outside the apparatus, e.g. after the die}	<administrative transfer to B29C 48/768>
D	B29C 47/78	2	Heating or cooling the material to be extruded or the stream of extruded material {or of a preformed part}	<administrative transfer to B29C 48/78>
D	B29C 47/782	3	{of a preformed part, e.g. a core before entering a die or before entering a barrel}	<administrative transfer to B29C 48/79>
D	B29C 47/784	3	{at a location before the plasticising zone, e.g. of the material in the hopper}	<administrative transfer to B29C 48/793>
D	B29C 47/786	4	{heating}	<administrative transfer to B29C 48/793>
D	B29C 47/788	4	{cooling}	<administrative transfer to B29C 48/797>
D	B29C 47/80	3	at plasticising zone {, e.g. from the feed section until the die entrance}	<administrative transfer to B29C 48/80>
D	B29C 47/802	4	{heating}	<administrative transfer to B29C 48/802>
D	B29C 47/805	4	{cooling}	<administrative transfer to B29C 48/82>
D	B29C 47/807	4	{characterised by differential heating or cooling}	<administrative transfer to B29C 48/875>

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D	B29C 47/82	4	Heating {or cooling} the cylinders	<administrative transfer to B29C 48/83>
D	B29C 47/822	5	{heating}	<administrative transfer to B29C 48/832>
D	B29C 47/825	5	{cooling}	<administrative transfer to B29C 48/834>
D	B29C 47/827	5	{characterised by differential heating or cooling}	<administrative transfer to B29C 48/875>
D	B29C 47/84	4	Heating {or cooling} the screws	<administrative transfer to B29C 48/84 and B29C 48/82 simultaneously>
D	B29C 47/842	5	{heating}	<administrative transfer to B29C 48/845 and B29C 48/82 simultaneously>
D	B29C 47/845	5	{cooling}	<administrative transfer to B29C 48/85 and B29C 48/82 simultaneously>
D	B29C 47/847	5	{characterised by differential heating or cooling}	<administrative transfer to B29C 48/875>
D	B29C 47/86	3	at nozzle zone	<administrative transfer to B29C 48/86>
D	B29C 47/862	4	{heating}	<administrative transfer to B29C 48/865>
D	B29C 47/864	4	{cooling}	<administrative transfer to B29C 48/87>
D	B29C 47/866	4	{characterised by differential heating or cooling}	<administrative transfer to B29C 48/872>
D	B29C 47/868	5	{in the direction of the stream of the material}	<administrative transfer to B29C 48/873>
D	B29C 47/88	3	Heating or cooling the stream of extruded material	<administrative transfer to B29C 48/88>
D	B29C 47/8805	4	{Heating}	<administrative transfer to B29C 48/91>
D	B29C 47/881	5	{of hollow articles}	<administrative transfer to B29C 48/9105>
D	B29C 47/8815	4	{cooling}	<administrative transfer to B29C 48/911>
D	B29C 47/882	5	{of hollow articles}	<administrative transfer to B29C 48/9115>
D	B29C 47/8825	6	{of tubular films}	<administrative transfer to B29C 48/912>
D	B29C 47/883	7	{internally}	<administrative transfer to B29C 48/9125>
D	B29C 47/8835	7	{externally}	<administrative transfer to B29C 48/913>

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D	B29C 47/884	5	{of flat articles, e.g. using specially adapted supporting means}	<administrative transfer to B29C 48/9135>
D	B29C 47/8845	6	{cooling drums}	<administrative transfer to B29C 48/914>
D	B29C 47/885	6	{Endless cooling belts}	<administrative transfer to B29C 48/9145>
D	B29C 47/8855	6	{with means for improving the adhesion to the supporting means}	<administrative transfer to B29C 48/915>
D	B29C 47/886	7	{Pressure rollers}	<administrative transfer to B29C 48/9155>
D	B29C 47/8865	7	{using vacuum}	<administrative transfer to B29C 48/916>
D	B29C 47/887	7	{Electrostatic pinning}	<administrative transfer to B29C 48/9165>
D	B29C 47/8875	7	{by applying pressurised gas to the surface of the flat article}	<administrative transfer to B29C 48/917>
D	B29C 47/888	6	{by interposing a fluid layer between the supporting means and the flat article}	<administrative transfer to B29C 48/9175>
D	B29C 47/8885	4	{characterized by differential heating or cooling}	<administrative transfer to B29C 48/918>
D	B29C 47/889	5	{in the direction of the stream of the material}	<administrative transfer to B29C 48/9185>
D	B29C 47/8895	4	{using a bath, e.g. extruding into an open bath to coagulate or cool the material}	<administrative transfer to B29C 48/919>
D	B29C 47/90	4	with calibration or sizing	<administrative transfer to B29C 48/90>
D	B29C 47/901	5	{of hollow bodies}	<administrative transfer to B29C 48/901>
D	B29C 47/902	6	{internally}	<administrative transfer to B29C 48/902>
D	B29C 47/903	6	{externally}	<administrative transfer to B29C 48/903>
D	B29C 47/904	5	{using dry calibration, i.e. no quenching tank, e.g. with water spray for cooling or lubrication}	<administrative transfer to B29C 48/904>
D	B29C 47/905	5	{using wet calibration, i.e. in a quenching tank}	<administrative transfer to B29C 48/905>
D	B29C 47/906	5	{using roller calibration}	<administrative transfer to B29C 48/906>
D	B29C 47/907	5	{using adjustable calibrators, e.g. the dimensions of the calibrator being changeable}	<administrative transfer to B29C 48/907>
D	B29C 47/908	5	{characterised by calibrator surface, e.g. structure or holes for lubrication, cooling or venting}	<administrative transfer to B29C 48/908>

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D	B29C 47/92	2	Measuring, controlling or regulating	<administrative transfer to B29C 48/92>
D	B29C 47/94	2	Lubricating {, e.g. adding lubrication to the melt}	<administrative transfer to B29C 48/94>
D	B29C 47/96	2	Safety devices	<administrative transfer to B29C 48/96>
D	B29C 47/965	3	{Personnel safety, e.g. safety for the operator}	<administrative transfer to B29C 48/965>
N	B29C 48/00	0	Extrusion moulding, i.e. expressing the moulding material through a die or nozzle which imparts the desired form; Apparatus therefor (extrusion blow-moulding B29C 49/04)	
N	B29C 48/001	1	{Combinations of extrusion moulding with other shaping operations}	
N	B29C 48/0011	2	{combined with compression moulding}	
N	B29C 48/0012	2	{combined with shaping by internal pressure generated in the material, e.g. foaming}	
N	B29C 48/0013	2	{Extrusion moulding in several steps, i.e. components merging outside the die (B29C 48/15 takes precedence)}	
N	B29C 48/0014	3	{producing flat articles having components brought in contact outside the extrusion die}	
N	B29C 48/0015	3	{producing hollow articles having components brought in contact outside the extrusion die}	
N	B29C 48/0016	4	{using a plurality of extrusion dies}	
N	B29C 48/0017	2	{combined with blow-moulding or thermoforming}	
N	B29C 48/0018	2	{combined with shaping by orienting, stretching or shrinking, e.g. film blowing (B29C 48/0017 takes precedence)}	
N	B29C 48/0019	2	{combined with shaping by flattening, folding or bending}	
N	B29C 48/002	2	{combined with surface shaping}	
N	B29C 48/0021	2	{combined with joining, lining or laminating}	
N	B29C 48/0022	2	{combined with cutting}	
N	B29C 48/0023	2	{combined with printing or marking}	
N	B29C 48/02	1	Small extruding apparatus, e.g. handheld, toy or laboratory extruders	
N	B29C 48/022	1	{characterised by the choice of material}	
N	B29C 48/023	2	{Extruding materials comprising incompatible ingredients}	
N	B29C 48/025	1	General arrangement or layout of plant	

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N	B29C 48/0255	2	{for extruding parallel streams of material, e.g. several separate parallel streams of extruded material forming separate articles (B29C 48/0013, B29C 48/345 takes precedence)}	
N	B29C 48/03	1	characterised by the shape of the extruded material at extrusion	
N	B29C 48/04	2	Particle-shaped (making granules B29B 9/00)	
N	B29C 48/05	2	Filamentary, e.g. strands	
N	B29C 48/06	2	Rod-shaped	
N	B29C 48/07	2	Flat, e.g. panels	
N	B29C 48/08	3	flexible, e.g. films	
N	B29C 48/09	2	Articles with cross-sections having partially or fully enclosed cavities, e.g. pipes or channels	
N	B29C 48/10	3	flexible, e.g. blown foils	
N	B29C 48/11	3	comprising two or more partially or fully enclosed cavities, e.g. honeycomb-shaped	
N	B29C 48/12	2	Articles with an irregular circumference when viewed in cross-section, e.g. window profiles	
N	B29C 48/13	2	Articles with a cross-section varying in the longitudinal direction, e.g. corrugated pipes	
N	B29C 48/131	2	{Curved articles}	
N	B29C 48/14	1	characterised by the particular extruding conditions, e.g. in a modified atmosphere or by using vibration	
N	B29C 48/141	2	{extruding in a clean room}	
N	B29C 48/142	2	{using force fields, e.g. gravity or electrical fields (B29C 48/9165 takes precedence)}	
N	B29C 48/143	2	{at a location before or in the feed unit, e.g. influencing the material in the hopper}	
N	B29C 48/144	2	{at the plasticising zone}	
N	B29C 48/145	2	{at a venting zone}	
N	B29C 48/146	2	{in the die}	
N	B29C 48/147	2	{after the die nozzle}	
N	B29C 48/1472	3	{at the die nozzle exit zone}	
N	B29C 48/1474	3	{at a calibration zone}	
N	B29C 48/1476	3	{at a conveyor}	
N	B29C 48/1478	3	{at a storing zone}	
N	B29C 48/15	1	incorporating preformed parts or layers, e.g. extrusion moulding around inserts	
N	B29C 48/151	2	Coating hollow articles	
N	B29C 48/152	3	the inner surfaces thereof	
N	B29C 48/153	4	Coating both inner and outer surfaces	
N	B29C 48/154	2	Coating solid articles, i.e. non-hollow articles	
N	B29C 48/155	3	Partial coating thereof	

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N	B29C 48/156	2	Coating two or more articles simultaneously	
N	B29C 48/157	2	Coating linked inserts, e.g. chains	
N	B29C 48/16	1	Articles comprising two or more components, e.g. co-extruded layers	
N	B29C 48/17	2	the components having different colours	
N	B29C 48/175	3	{comprising a multi-coloured single component, e.g. striated, marbled or wood-like patterned}	
N	B29C 48/18	2	the components being layers	
N	B29C 48/185	3	{comprising six or more components, i.e. each component being counted once for each time it is present, e.g. in a layer}	
N	B29C 48/19	3	the layers being joined at their edges	
N	B29C 48/20	3	one of the layers being a strip, e.g. a partially embedded strip	
N	B29C 48/21	3	the layers being joined at their surfaces	
N	B29C 48/22	3	with means connecting the layers, e.g. tie layers or undercuts	
N	B29C 48/23	3	with means for avoiding adhesion of the layers, e.g. for forming peelable layers	
N	B29C 48/25	1	Component parts, details or accessories; Auxiliary operations	
N	B29C 48/251	2	{Design of extruder parts, e.g. by modelling based on mathematical theories or experiments}	
N	B29C 48/2511	3	{by modelling material flow, e.g. melt interaction with screw and barrel}	
N	B29C 48/2513	4	{in the plasticising zone}	
N	B29C 48/2515	4	{in the die zone}	
N	B29C 48/2517	3	{of intermeshing screws}	
N	B29C 48/2519	3	{by modelling of mechanical strength}	
N	B29C 48/252	2	{Drive or actuation means; Transmission means; Screw supporting means}	
N	B29C 48/2522	3	{Shaft or screw supports, e.g. bearings}	
N	B29C 48/2526	3	{Direct drives or gear boxes}	
N	B29C 48/2528	3	{Drive or actuation means for non-plasticising purposes, e.g. dosing unit}	
N	B29C 48/254	2	{Sealing means}	
N	B29C 48/2545	3	{for filters}	

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Q	B29C 48/255	2	Flow control means, e.g. valves (flow dividers B29C 48/695)	B29C 48/255, B29C 48/695, B29C 48/70, B29C 48/705, B29C 48/71, B29C 48/16, B29C 48/17, B29C 48/175, B29C 48/18, B29C 48/185, B29C 48/19, B29C 48/20, B29C 48/21, B29C 48/22, B29C 48/23
N	B29C 48/2552	3	{provided in the feeding, melting, plasticising or pumping zone, e.g. screw, barrel, gear-pump or ram}	
N	B29C 48/2554	3	{provided in or in the proximity of filter devices}	
N	B29C 48/2556	3	{provided in or in the proximity of dies (B29C 48/302, B29C 48/31, B29C 48/325 take precedence)}	
N	B29C 48/256	2	{Exchangeable extruder parts (B29C 48/691 takes precedence)}	
N	B29C 48/2561	3	{Mounting or handling of the screw}	
N	B29C 48/2562	3	{Mounting or handling of the die}	
N	B29C 48/2563	3	{Mounting or handling of the hopper or feeder}	
N	B29C 48/2564	3	{Screw parts}	
N	B29C 48/2565	3	{Barrel parts}	
N	B29C 48/2566	3	{Die parts}	
N	B29C 48/2567	3	{Hopper or feeder parts}	
N	B29C 48/2568	3	{Inserts}	
N	B29C 48/25682	4	{for screws}	
N	B29C 48/25684	4	{for barrels}	
N	B29C 48/25686	4	{for dies}	
N	B29C 48/265	2	Support structures or bases for apparatus, e.g. frames	
N	B29C 48/266	2	{Means for allowing relative movements between the apparatus parts, e.g. for twisting the extruded article or for moving the die along a surface to be coated}	
N	B29C 48/2665	3	{allowing small relative movement, e.g. adjustments for aligning the apparatus parts or for compensating for thermal expansion}	
N	B29C 48/267	2	{Intermediate treatments, e.g. relaxation, annealing or decompression step for the melt (B29C 48/76 takes precedence)}	

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N	B29C 48/268	2	{Throttling of the flow, e.g. for cooperating with plasticising elements or for degassing (flow control means B29C 48/255)}	
N	B29C 48/269	2	{Extrusion in non-steady condition, e.g. start-up or shut-down}	
N	B29C 48/2692	3	{Material change}	
N	B29C 48/2694	3	{Intermittent extrusion}	
N	B29C 48/27	2	Cleaning; Purging; Avoiding contamination	
N	B29C 48/271	3	{of feeding units}	
N	B29C 48/2715	3	{of plasticising units}	
N	B29C 48/272	3	{of dies}	
N	B29C 48/2725	3	{of filters}	
N	B29C 48/273	4	{using back flow}	
N	B29C 48/2735	4	{using scrapers}	
N	B29C 48/274	3	{of the extruded articles}	
N	B29C 48/275	2	Recovery or reuse of energy or materials	
N	B29C 48/276	3	{of energy}	
N	B29C 48/277	3	{of materials}	
N	B29C 48/278	4	{of additives or processing aids}	
Q	B29C 48/28	2	Storing of extruded material, e.g. by winding up or stacking	B29C 48/28, B29C 48/355
N	B29C 48/285	2	Feeding the extrusion material to the extruder	
N	B29C 48/286	3	{Raw material dosing}	
N	B29C 48/287	3	{Raw material pre-treatment while feeding (B29C 48/78 takes precedence)}	
N	B29C 48/288	3	{in solid form, e.g. powder or granules}	
N	B29C 48/2883	4	{of preformed parts, e.g. inserts fed and transported generally uninfluenced through the extruder or inserts fed directly to the die}	
N	B29C 48/2886	4	{of fibrous, filamentary or filling materials, e.g. thin fibrous reinforcements or fillers}	
N	B29C 48/2888	4	{in band or in strip form, e.g. rubber strips}	
N	B29C 48/29	3	in liquid form	
N	B29C 48/295	3	in gaseous form	
N	B29C 48/297	3	{at several locations, e.g. using several hoppers or using a separate additive feeding}	
N	B29C 48/298	3	{in a location other than through a barrel, e.g. through a screw}	

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Q	B29C 48/30	2	Extrusion nozzles or dies (extrusion characterised by the shape or cross-section of the extruded article B29C 48/03)	B29C 48/30, B29C 48/03, B29C 48/04, B29C 48/05, B29C 48/06, B29C 48/07, B29C 48/08, B29C 48/09, B29C 48/10, B29C 48/11, B29C 48/12, B29C 48/13, B29C 48/131
N	B29C 48/3001	3	{characterised by the material or their manufacturing process}	
N	B29C 48/3003	4	{Materials, coating or lining therefor}	
N	B29C 48/301	3	{having reciprocating, oscillating or rotating parts}	
N	B29C 48/302	3	{being adjustable, i.e. having adjustable exit sections}	
N	B29C 48/303	3	{using dies or die parts movable in a closed circuit, e.g. mounted on movable endless support (B29C 48/35 takes precedence)}	
N	B29C 48/304	3	{specially adapted for bringing together components, e.g. melts within the die}	
N	B29C 48/305	3	having a wide opening, e.g. for forming sheets	
N	B29C 48/307	4	{specially adapted for bringing together components, e.g. melts within the die}	
N	B29C 48/31	4	{being}adjustable {, i.e. having adjustable exit sections}	
N	B29C 48/313	5	{by positioning the die lips}	
N	B29C 48/315	4	with parts oscillating relative to each other	
N	B29C 48/32	3	with annular openings, e.g. for forming tubular articles	
N	B29C 48/325	4	{being} adjustable {, i.e. having adjustable exit sections}	
N	B29C 48/327	5	{with centering means}	
N	B29C 48/33	4	with parts rotatable relative to each other	
N	B29C 48/335	4	Multiple annular extrusion nozzles in coaxial arrangement, e.g. for making multi-layered tubular articles	
N	B29C 48/336	5	{the components merging one by one down streams in the die}	
N	B29C 48/3363	6	{using a layered die, e.g. stacked discs}	

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N	B29C 48/3366	6	{using a die with concentric parts, e.g. rings, cylinders}	
N	B29C 48/337	5	{the components merging at a common location}	
N	B29C 48/338	6	{using a die with concentric parts, e.g. rings, cylinders}	
N	B29C 48/34	4	Cross-head annular extrusion nozzles, i.e. for simultaneously receiving moulding material and the preform to be coated	
N	B29C 48/345	3	Extrusion nozzles comprising two or more adjacently arranged ports, for simultaneously extruding multiple strands, e.g. for pelletising	
N	B29C 48/35	3	with rollers	
N	B29C 48/355	2	Conveyors for extruded articles	
Q	B29C 48/36	2	Means for plasticising or homogenising the moulding material or forcing it through the nozzle or die	B29C 48/36, B29C 48/365
N	B29C 48/361	3	{with the barrel or with a part thereof rotating}	
N	B29C 48/362	3	{using static mixing devices}	
N	B29C 48/363	3	{using non-actuated dynamic mixing devices}	
N	B29C 48/365	3	using pumps, e.g. piston pumps	
N	B29C 48/37	4	Gear pumps	
N	B29C 48/375	3	Plasticisers, homogenisers or feeders comprising two or more stages	
N	B29C 48/38	4	using two or more serially arranged screws in the same barrel	
N	B29C 48/385	4	using two or more serially arranged screws in separate barrels	
N	B29C 48/387	4	{using a screw extruder and a gear pump}	
N	B29C 48/388	4	{using a screw extruder and a ram or piston}	
N	B29C 48/39	4	a first extruder feeding the melt into an intermediate location of a second extruder	
N	B29C 48/395	3	using screws surrounded by a cooperating barrel, e.g. single screw extruders	
N	B29C 48/397	4	{using a single screw}	
Q	B29C 48/40	4	using two or more parallel screws {or at least two parallel non-intermeshing screws}, e.g. twin screw extruders	B29C 48/40, B29C 48/405, B29C 48/41, B29C 48/415
N	B29C 48/402	5	{the screws having intermeshing parts}	
N	B29C 48/404	5	{the screws having non-intermeshing parts}	
N	B29C 48/405	5	Intermeshing co-rotating screws	
N	B29C 48/41	5	Intermeshing counter-rotating screws	
N	B29C 48/415	5	and having partially non-intermeshing screws	

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N	B29C 48/42	5	Non-identical or non-mirrored screws	
Q	B29C 48/425	5	using three or more screws (serially arranged screws B29C 48/38, B29C 48/385)	B29C 48/425, B29C 48/38, B29C 48/385, B29C 48/43, B29C 48/435, B29C 48/44
N	B29C 48/43	6	Ring extruders	
N	B29C 48/435	5	Sub-screws	
N	B29C 48/44	6	Planetary screws	
N	B29C 48/445	4	Coaxially arranged screws, i.e. one within the other	
N	B29C 48/45	4	Axially movable screws	
N	B29C 48/455	4	Screws arranged to convey material towards each other, e.g. separate screws arranged after each other and feeding in opposite directions	
Q	B29C 48/46	3	using vanes	B29C 48/46, B29C 48/47
N	B29C 48/465	3	using rollers	
N	B29C 48/467	4	{using single rollers, e.g. provided with protrusions, closely surrounded by a housing with movement of the material in the axial direction}	
N	B29C 48/468	5	{Cavity transfer mixing devices, i.e. a roller and surrounding barrel both provided with cavities; Barrels and rollers therefor}	
N	B29C 48/47	3	using discs, e.g. plasticising the moulding material by passing it between a fixed and a rotating disc that are coaxially arranged	
Q	B29C 48/475	3	using pistons, accumulators or press rams	B29C 48/475, B29C 48/48, B29C 48/485
N	B29C 48/48	4	Two or more rams or pistons	
N	B29C 48/485	4	Hydrostatic extrusion	
Q	B29C 48/49	3	using two or more extruders to feed one die or nozzle	B29C 48/49, B29C 48/495 B29C 48/16, B29C 48/17, B29C 48/175, B29C 48/18, B29C 48/185, B29C 48/19, B29C 48/20, B29C 48/21, B29C 48/22, B29C 48/23

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N	B29C 48/495	4	Feed-blocks (extrusion moulding of multi-component articles B29C 48/16)	
N	B29C 48/50	3	Details of extruders	
N	B29C 48/501	4	{Extruder feed section}	
N	B29C 48/503	4	{Extruder machines or parts thereof characterised by the material or by their manufacturing process (B29C 48/256 takes precedence)}	
Q	B29C 48/505	4	Screws	B29C 48/505, B29C 48/58, B29C 48/635
N	B29C 48/507	5	{characterised by the material or their manufacturing process}	
N	B29C 48/509	6	{Materials, coating or lining therefor}	
Q	B29C 48/51	5	with internal flow passages, e.g. for molten material	B29C 48/51, B29C 48/515
N	B29C 48/515	6	for auxiliary fluids, e.g. foaming agents	
Q	B29C 48/52	5	with an outer diameter varying along the longitudinal axis, e.g. for obtaining different thread clearance	B29C 48/52, B29C 48/525
N	B29C 48/525	6	Conical screws	
N	B29C 48/53	5	having a varying channel depth, e.g. varying the diameter of the longitudinal screw trunk	
N	B29C 48/535	5	with thread pitch varying along the longitudinal axis	
N	B29C 48/54	5	with additional forward-feeding elements	
N	B29C 48/55	5	having reverse-feeding elements	
N	B29C 48/56	5	having grooves or cavities other than the thread or the channel	
N	B29C 48/565	5	having projections other than the thread, e.g. pins	
N	B29C 48/57	5	provided with kneading disc-like elements, e.g. with oval-shaped elements	
N	B29C 48/575	5	provided with elements of a generally circular cross-section for shearing the melt, i.e. shearing elements	
N	B29C 48/58	5	provided with seal ring elements, i.e. elements of generally circular and tapered shape for preventing the back flow of the melt	
N	B29C 48/585	5	provided with gears interacting with the flow	
Q	B29C 48/59	5	characterised by details of the thread, i.e. the shape of a single thread of the material-feeding screw	B29C 48/59, B29C 48/595, B29C 48/60, B29C 48/605, B29C 48/61, B29C 48/615

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N	B29C 48/595	6	the thread having non-uniform width	
N	B29C 48/60	6	Thread tops	
N	B29C 48/605	6	the thread being discontinuous	
N	B29C 48/61	6	Threads having wavy profiles	
N	B29C 48/615	6	Threads having varying helix angles	
N	B29C 48/62	5	characterised by the shape of the thread channel, e.g. U-shaped	
N	B29C 48/625	5	characterised by the ratio of the threaded length of the screw to its outside diameter [L/D ratio]	
N	B29C 48/63	5	having sections without mixing elements or threads, i.e. having cylinder shaped sections	
N	B29C 48/635	5	Eccentrically rotating screws; Screws revolving around an axis other than their central axis	
Q	B29C 48/64	5	Screws with two or more threads	B29C 48/64, B29C 48/66
N	B29C 48/645	6	neighbouring threads and channels having identical configurations	
N	B29C 48/65	6	neighbouring threads or channels having different configurations, e.g. one thread being lower than its neighbouring thread	
N	B29C 48/655	6	having three or more threads	
N	B29C 48/66	6	Barrier threads, i.e. comprising primary and secondary threads whereby the secondary thread provides clearance to the barrel for material movement	
N	B29C 48/67	5	having incorporated mixing devices not provided for in groups B29C 48/52 - B29C 48/66	
N	B29C 48/68	4	Barrels or cylinders	
N	B29C 48/6801	5	{characterised by the material or their manufacturing process}	
N	B29C 48/6803	5	{Materials, coating or lining therefor}	
N	B29C 48/681	5	{for single screws}	
N	B29C 48/682	5	{for twin screws}	
N	B29C 48/683	5	{for more than two screws}	
N	B29C 48/684	5	{having adaptable feed or discharge locations, e.g. for varying the amount of kneading by changing hopper position or discharge exit}	
N	B29C 48/685	5	characterised by their inner surfaces, e.g. having grooves, projections or threads	
N	B29C 48/686	6	{having grooves or cavities}	

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N	B29C 48/687	6	{having projections with a short length in the barrel direction, e.g. pins}	
N	B29C 48/688	6	{having threads}	
N	B29C 48/69	4	Filters or screens for the moulding material	
Q	B29C 48/691	5	Arrangements for replacing filters, e.g. with two parallel filters for alternate use	B29C 48/691, B29C 48/693, B29C 48/694
N	B29C 48/6912	6	{the filters being fitted on a single rectilinearly reciprocating slide (B29C 48/692 takes precedence)}	
N	B29C 48/6914	6	{the filters being fitted on a rotatable or pivotable disc or on the circumference of a rotatable or pivotable cylinder}	
N	B29C 48/6916	7	{Continuously rotating cylindrical filters}	
N	B29C 48/692	5	in the form of webs displaceable for using adjacent areas consecutively	
N	B29C 48/693	5	Substantially flat filters mounted at the end of an extruder screw perpendicular to the feed axis	
N	B29C 48/694	5	Cylindrical or conical filters	
N	B29C 48/6945	6	{surrounding a rotating screw}	
N	B29C 48/695	4	Flow dividers, e.g. breaker plates	
N	B29C 48/70	5	comprising means for dividing, distributing and recombining melt flows	
N	B29C 48/705	6	{in the die zone, e.g. to create flow homogeneity}	
N	B29C 48/71	6	for layer multiplication (extrusion of multi-component articles B29C 48/16)	
N	B29C 48/72	4	Feedback means, i.e. part of the molten material being fed back into upstream stages of the extruder	
N	B29C 48/725	5	{for plasticising or homogenising devices}	
N	B29C 48/74	4	Bypassing means, i.e. part of the molten material being diverted into downstream stages of the extruder	
N	B29C 48/745	5	{for plasticising or homogenising devices}	
N	B29C 48/76	4	Venting{, drying} means; Degassing means	
N	B29C 48/761	5	{the vented material being in liquid form}	
N	B29C 48/762	5	{Vapour stripping}	
N	B29C 48/763	5	{Vent constructions, e.g. venting means avoiding melt escape}	
N	B29C 48/765	5	{in the extruder apparatus}	
N	B29C 48/766	6	{in screw extruders}	
N	B29C 48/767	7	{through a degassing opening of a barrel}	
N	B29C 48/768	5	{outside the apparatus, e.g. after the die}	

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N	B29C 48/78	2	Thermal treatment of the extrusion moulding material or of preformed parts or layers, e.g. by heating or cooling	
N	B29C 48/79	3	of preformed parts or layers	
N	B29C 48/793	3	upstream of the plasticising zone, e.g. heating in the hopper	
N	B29C 48/797	4	Cooling	
N	B29C 48/80	3	at the plasticising zone, e.g. by heating cylinders	
N	B29C 48/802	4	{Heating}	
Q	B29C 48/82	4	Cooling (B29C 48/84 takes precedence)	B29C 48/82, B29C 48/84, B29C 48/845, B29C 48/85, B29C 48/515
N	B29C 48/83	4	{Heating or cooling the cylinders}	
N	B29C 48/832	5	{Heating}	
N	B29C 48/834	5	{Cooling}	
N	B29C 48/84	4	by heating or cooling the feeding screws (for hollow screws B29C 48/515)	
N	B29C 48/845	5	{Heating}	
N	B29C 48/85	5	Cooling	
N	B29C 48/86	3	at the nozzle zone	
N	B29C 48/865	4	{Heating}	
N	B29C 48/87	4	Cooling	
N	B29C 48/872	4	{characterised by differential heating or cooling}	
N	B29C 48/873	5	{in the direction of the stream of the material}	
N	B29C 48/875	3	for achieving a non-uniform temperature distribution, e.g. using barrels having both cooling and heating zones	
Q	B29C 48/88	2	Thermal treatment of the stream of extruded material, e.g. cooling	B29C 48/88, B29C 48/885, B29C 48/89
N	B29C 48/885	3	External treatment, e.g. by using air rings for cooling tubular films	
N	B29C 48/89	3	Internal treatment, e.g. by applying an internal cooling fluid stream	
N	B29C 48/90	3	with calibration or sizing, i.e. combined with fixing or setting of the final dimensions of the extruded article	
N	B29C 48/901	4	{of hollow bodies}	
N	B29C 48/902	5	{internally}	
N	B29C 48/903	5	{externally}	
N	B29C 48/904	4	{using dry calibration, i.e. no quenching tank, e.g. with water spray for cooling or lubrication}	

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N	B29C 48/905	4	{using wet calibration, i.e. in a quenching tank}	
N	B29C 48/906	4	{using roller calibration}	
N	B29C 48/907	4	{using adjustable calibrators, e.g. the dimensions of the calibrator being changeable}	
N	B29C 48/908	4	{characterised by calibrator surface, e.g. structure or holes for lubrication, cooling or venting}	
N	B29C 48/91	3	Heating, e.g. for cross linking	
N	B29C 48/9105	4	{of hollow articles}	
N	B29C 48/911	3	{Cooling}	
N	B29C 48/9115	4	{of hollow articles}	
N	B29C 48/912	5	{of tubular films}	
N	B29C 48/9125	6	{internally}	
N	B29C 48/913	6	{externally}	
N	B29C 48/9135	4	{of flat articles, e.g. using specially adapted supporting means}	
N	B29C 48/914	5	{cooling drums}	
N	B29C 48/9145	5	{Endless cooling belts}	
N	B29C 48/915	5	{with means for improving the adhesion to the supporting means}	
N	B29C 48/9155	6	{Pressure rollers}	
N	B29C 48/916	6	{using vacuum}	
N	B29C 48/9165	6	{Electrostatic pinning}	
N	B29C 48/917	6	{by applying pressurised gas to the surface of the flat article}	
N	B29C 48/9175	5	{by interposing a fluid layer between the supporting means and the flat article}	
N	B29C 48/918	3	{characterized by differential heating or cooling}	
N	B29C 48/9185	4	{in the direction of the stream of the material}	
N	B29C 48/919	3	{using a bath, e.g. extruding into an open bath to coagulate or cool the material}	
N	B29C 48/92	2	Measuring, controlling or regulating	
Q	B29C 48/94	2	Lubricating	B29C 48/94, B29C 48/95
N	B29C 48/95	3	by adding lubricant to the moulding material	
N	B29C 48/96	2	Safety devices	
N	B29C 48/965	3	{Personnel safety, e.g. safety for the operator}	
D	B29C2947/00	0	Indexing scheme relating to extrusion moulding	<administrative transfer to B29C 2948/00>
D	B29C 2947/92	1	Measuring, controlling or regulating	<administrative transfer to B29C 2948/92>

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D	B29C 2947/92009	2	Measured parameter	<administrative transfer to B29C 2948/92009>
D	B29C 2947/92019	3	Pressure	<administrative transfer to B29C 2948/92019>
D	B29C 2947/92028	3	Force; Tension	<administrative transfer to B29C 2948/92028>
D	B29C 2947/92038	3	Torque	<administrative transfer to B29C 2948/92038>
D	B29C 2947/92047	3	Energy, power, electric current or voltage	<administrative transfer to B29C 2948/92047>
D	B29C 2947/92057	3	Frequency	<administrative transfer to B29C 2948/92057>
D	B29C 2947/92066	3	Time, e.g. start, termination, duration or interruption	<administrative transfer to B29C 2948/92066>
D	B29C 2947/92076	3	Position, e.g. linear or angular	<administrative transfer to B29C 2948/92076>
D	B29C 2947/92085	3	Velocity	<administrative transfer to B29C 2948/92085>
D	B29C 2947/92095	4	Angular velocity	<administrative transfer to B29C 2948/92095>
D	B29C 2947/92104	4	Flow or feed rate	<administrative transfer to B29C 2948/92104>
D	B29C 2947/92114	3	Dimensions	<administrative transfer to B29C 2948/92114>
D	B29C 2947/92123	4	Diameter or circumference	<administrative transfer to B29C 2948/92123>
D	B29C 2947/92133	4	Width or height	<administrative transfer to B29C 2948/92133>
D	B29C 2947/92142	4	Length	<administrative transfer to B29C 2948/92142>
D	B29C 2947/92152	4	Thickness	<administrative transfer to B29C 2948/92152>
D	B29C 2947/92161	4	Volume or quantity	<administrative transfer to B29C 2948/92161>
D	B29C 2947/92171	4	Distortion, shrinkage, dilatation, swell or warpage	<administrative transfer to B29C 2948/92171>
D	B29C 2947/9218	3	Weight	<administrative transfer to B29C 2948/9218>
D	B29C 2947/9219	3	Density, e.g. per unit length or area	<administrative transfer to B29C 2948/9219>
D	B29C 2947/922	3	Viscosity; Melt flow index [MFI]; Molecular weight	<administrative transfer to B29C 2948/922>
D	B29C 2947/92209	3	Temperature	<administrative transfer to B29C 2948/92209>

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D	B29C 2947/92219	3	Degree of crosslinking, solidification, crystallinity or homogeneity	<administrative transfer to B29C 2948/92219>
D	B29C 2947/92228	3	Content, e.g. percentage of humidity, volatiles, contaminants or degassing	<administrative transfer to B29C 2948/92228>
D	B29C 2947/92238	3	Electrical properties	<administrative transfer to B29C 2948/92238>
D	B29C 2947/92247	3	Optical properties	<administrative transfer to B29C 2948/92247>
D	B29C 2947/92257	4	Colour	<administrative transfer to B29C 2948/92257>
D	B29C 2947/92266	3	Mechanical properties	<administrative transfer to B29C 2948/92266>
D	B29C 2947/92276	3	Magnetic properties	<administrative transfer to B29C 2948/92276>
D	B29C 2947/92285	3	Surface properties	<administrative transfer to B29C 2948/92285>
D	B29C 2947/92295	3	Errors or malfunctioning, e.g. for quality control	<administrative transfer to B29C 2948/92295>
D	B29C 2947/92304	3	Presence or absence; Sequence; Counting	<administrative transfer to B29C 2948/92304>
D	B29C 2947/92314	3	Particular value claimed	<administrative transfer to B29C 2948/92314>
D	B29C 2947/92323	2	Location or phase of measurement	<administrative transfer to B29C 2948/92323>
D	B29C 2947/92333	3	Raw material handling or dosing, e.g. active hopper or feeding device	<administrative transfer to B29C 2948/92333>
D	B29C 2947/92342	3	Raw material pre-treatment, e.g. drying or cleaning	<administrative transfer to B29C 2948/92342>
D	B29C 2947/92352	3	Inserts	<administrative transfer to B29C 2948/92352>
D	B29C 2947/92361	3	Extrusion unit	<administrative transfer to B29C 2948/92361>
D	B29C 2947/92371	4	Inlet shaft or slot, e.g. passive hopper; Injector, e.g. injector nozzle on barrel	<administrative transfer to B29C 2948/92371>
D	B29C 2947/9238	4	Feeding, melting, plasticising or pumping zones, e.g. the melt itself	<administrative transfer to B29C 2948/9238>
D	B29C 2947/9239	5	Screw or gear	<administrative transfer to B29C 2948/9239>
D	B29C 2947/924	5	Barrel or housing	<administrative transfer to B29C 2948/924>
D	B29C 2947/92409	4	Die; Nozzle zone	<administrative transfer to B29C 2948/92409>
D	B29C 2947/92419	4	Degassing unit	<administrative transfer to B29C 2948/92419>

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D	B29C 2947/92428	3	Calibration, after-treatment, or cooling zone	<administrative transfer to B29C 2948/92428>
D	B29C 2947/92438	3	Conveying, transporting or storage of articles	<administrative transfer to B29C 2948/92438>
D	B29C 2947/92447	3	Moulded article	<administrative transfer to B29C 2948/92447>
D	B29C 2947/92457	3	Drive section, e.g. gearbox, motor or drive fluids	<administrative transfer to B29C 2948/92457>
D	B29C 2947/92466	3	Auxiliary unit, e.g. for external melt filtering, re-combining or transfer between units	<administrative transfer to B29C 2948/92466>
D	B29C 2947/92476	3	Fluids, e.g. for temperature control or of environment	<administrative transfer to B29C 2948/92476>
D	B29C 2947/92485	3	Start-up, shut-down or parameter setting phase; Emergency shut-down; Material change; Test or laboratory equipment or studies	<administrative transfer to B29C 2948/92485>
D	B29C 2947/92495	3	Treatment of equipment, e.g. purging, cleaning, lubricating or filter exchange	<administrative transfer to B29C 2948/92495>
D	B29C 2947/92504	2	Controlled parameter	<administrative transfer to B29C 2948/92504>
D	B29C 2947/92514	3	Pressure	<administrative transfer to B29C 2948/92514>
D	B29C 2947/92523	3	Force; Tension	<administrative transfer to B29C 2948/92523>
D	B29C 2947/92533	3	Torque	<administrative transfer to B29C 2948/92533>
D	B29C 2947/92542	3	Energy, power, electric current or voltage	<administrative transfer to B29C 2948/92542>
D	B29C 2947/92552	3	Frequency	<administrative transfer to B29C 2948/92552>
D	B29C 2947/92561	3	Time, e.g. start, termination, duration or interruption	<administrative transfer to B29C 2948/92561>
D	B29C 2947/92571	3	Position, e.g. linear or angular	<administrative transfer to B29C 2948/92571>
D	B29C 2947/9258	3	Velocity	<administrative transfer to B29C 2948/9258>
D	B29C 2947/9259	4	Angular velocity	<administrative transfer to B29C 2948/9259>
D	B29C 2947/926	4	Flow or feed rate	<administrative transfer to B29C 2948/926>
D	B29C 2947/92609	3	Dimensions	<administrative transfer to B29C 2948/92609>
D	B29C 2947/92619	4	Diameter or circumference	<administrative transfer to B29C 2948/92619>

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Type *	Symbol	Indent Level Number r of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to[#]
D	B29C 2947/92628	4	Width or height	<administrative transfer to B29C 2948/92628>
D	B29C 2947/92638	4	Length	<administrative transfer to B29C 2948/92638>
D	B29C 2947/92647	4	Thickness	<administrative transfer to B29C 2948/92647>
D	B29C 2947/92657	4	Volume or quantity	<administrative transfer to B29C 2948/92657>
D	B29C 2947/92666	4	Distortion, shrinkage, dilatation, swell or warpage	<administrative transfer to B29C 2948/92666>
D	B29C 2947/92676	3	Weight	<administrative transfer to B29C 2948/92676>
D	B29C 2947/92685	3	Density, e.g. per unit length or area	<administrative transfer to B29C 2948/92685>
D	B29C 2947/92695	3	Viscosity; Melt flow index [MFI]; Molecular weight	<administrative transfer to B29C 2948/92695>
D	B29C 2947/92704	3	Temperature	<administrative transfer to B29C 2948/92704>
D	B29C 2947/92714	3	Degree of crosslinking, solidification, crystallinity or homogeneity	<administrative transfer to B29C 2948/92714>
D	B29C 2947/92723	3	Content, e.g. percentage of humidity, volatiles, contaminants or degassing	<administrative transfer to B29C 2948/92723>
D	B29C 2947/92733	3	Electrical properties	<administrative transfer to B29C 2948/92733>
D	B29C 2947/92742	3	Optical properties	<administrative transfer to B29C 2948/92742>
D	B29C 2947/92752	4	Colour	<administrative transfer to B29C 2948/92752>
D	B29C 2947/92761	3	Mechanical properties	<administrative transfer to B29C 2948/92761>
D	B29C 2947/92771	3	Magnetic properties	<administrative transfer to B29C 2948/92771>
D	B29C 2947/9278	3	Surface properties	<administrative transfer to B29C 2948/9278>
D	B29C 2947/9279	3	Errors or malfunctioning, e.g. for quality control	<administrative transfer to B29C 2948/9279>
D	B29C 2947/928	3	Presence or absence; Sequence; Counting	<administrative transfer to B29C 2948/928>
D	B29C 2947/92809	3	Particular value claimed	<administrative transfer to B29C 2948/92809>
D	B29C 2947/92819	2	Location or phase of control	<administrative transfer to B29C 2948/92819>
D	B29C 2947/92828	3	Raw material handling or dosing, e.g. active hopper or feeding device	<administrative transfer to B29C 2948/92828>

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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[#]
D	B29C 2947/92838	3	Raw material pre-treatment, e.g. drying or cleaning	<administrative transfer to B29C 2948/92838>
D	B29C 2947/92847	3	Inserts	<administrative transfer to B29C 2948/92847>
D	B29C 2947/92857	3	Extrusion unit	<administrative transfer to B29C 2948/92857>
D	B29C 2947/92866	4	Inlet shaft or slot, e.g. passive hopper; Injector, e.g. injector nozzle on barrel	<administrative transfer to B29C 2948/92866>
D	B29C 2947/92876	4	Feeding, melting, plasticising or pumping zones, e.g. the melt itself	<administrative transfer to B29C 2948/92876>
D	B29C 2947/92885	5	Screw or gear	<administrative transfer to B29C 2948/92885>
D	B29C 2947/92895	5	Barrel or housing	<administrative transfer to B29C 2948/92895>
D	B29C 2947/92904	4	Die; Nozzle zone	<administrative transfer to B29C 2948/92904>
D	B29C 2947/92914	4	Degassing unit	<administrative transfer to B29C 2948/92914>
D	B29C 2947/92923	3	Calibration, after-treatment or cooling zone	<administrative transfer to B29C 2948/92923>
D	B29C 2947/92933	3	Conveying, transporting or storage of articles	<administrative transfer to B29C 2948/92933>
D	B29C 2947/92942	3	Moulded article	<administrative transfer to B29C 2948/92942>
D	B29C 2947/92952	3	Drive section, e.g. gearbox, motor or drive fluids	<administrative transfer to B29C 2948/92952>
D	B29C 2947/92961	3	Auxiliary unit, e.g. for external melt filtering, re-combining or transfer between units	<administrative transfer to B29C 2948/92961>
D	B29C 2947/92971	3	Fluids, e.g. for temperature control or of environment	<administrative transfer to B29C 2948/92971>
D	B29C 2947/9298	3	Start-up, shut-down or parameter setting phase; Emergency shut-down; Material change; Test or laboratory equipment or studies	<administrative transfer to B29C 2948/9298>
D	B29C 2947/9299	3	Treatment of equipment, e.g. purging, cleaning, lubricating or filter exchange	<administrative transfer to B29C 2948/9299>
N	B29C 2948/00	0	Indexing scheme relating to extrusion moulding	
N	B29C 2948/92	1	Measuring, controlling or regulating	
N	B29C 2948/92009	2	Measured parameter	
N	B29C 2948/92019	3	Pressure	
N	B29C 2948/92028	3	Force; Tension	
N	B29C 2948/92038	3	Torque	
N	B29C 2948/92047	3	Energy, power, electric current or voltage	
N	B29C 2948/92057	3	Frequency	

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Type *	Symbol	Indent Level Number r of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to [#]
N	B29C 2948/92066	3	Time, e.g. start, termination, duration or interruption	
N	B29C 2948/92076	3	Position, e.g. linear or angular	
N	B29C 2948/92085	3	Velocity	
N	B29C 2948/92095	4	Angular velocity	
N	B29C 2948/92104	4	Flow or feed rate	
N	B29C 2948/92114	3	Dimensions	
N	B29C 2948/92123	4	Diameter or circumference	
N	B29C 2948/92133	4	Width or height	
N	B29C 2948/92142	4	Length	
N	B29C 2948/92152	4	Thickness	
N	B29C 2948/92161	4	Volume or quantity	
N	B29C 2948/92171	4	Distortion, shrinkage, dilatation, swell or warpage	
N	B29C 2948/9218	3	Weight	
N	B29C 2948/9219	3	Density, e.g. per unit length or area	
N	B29C 2948/922	3	Viscosity; Melt flow index [MFI]; Molecular weight	
N	B29C 2948/92209	3	Temperature	
N	B29C 2948/92219	3	Degree of crosslinking, solidification, crystallinity or homogeneity	
N	B29C 2948/92228	3	Content, e.g. percentage of humidity, volatiles, contaminants or degassing	
N	B29C 2948/92238	3	Electrical properties	
N	B29C 2948/92247	3	Optical properties	
N	B29C 2948/92257	4	Colour	
N	B29C 2948/92266	3	Mechanical properties	
N	B29C 2948/92276	3	Magnetic properties	
N	B29C 2948/92285	3	Surface properties	
N	B29C 2948/92295	3	Errors or malfunctioning, e.g. for quality control	
N	B29C 2948/92304	3	Presence or absence; Sequence; Counting	
N	B29C 2948/92314	3	Particular value claimed	
N	B29C 2948/92323	2	Location or phase of measurement	
N	B29C 2948/92333	3	Raw material handling or dosing, e.g. active hopper or feeding device	
N	B29C 2948/92342	3	Raw material pre-treatment, e.g. drying or cleaning	
N	B29C 2948/92352	3	Inserts	
N	B29C 2948/92361	3	Extrusion unit	
N	B29C 2948/92371	4	Inlet shaft or slot, e.g. passive hopper; Injector, e.g. injector nozzle on barrel	
N	B29C 2948/9238	4	Feeding, melting, plasticising or pumping zones, e.g. the melt itself	
N	B29C 2948/9239	5	Screw or gear	

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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 [#]
N	B29C 2948/924	5	Barrel or housing	
N	B29C 2948/92409	4	Die; Nozzle zone	
N	B29C 2948/92419	4	Degassing unit	
N	B29C 2948/92428	3	Calibration, after-treatment, or cooling zone	
N	B29C 2948/92438	3	Conveying, transporting or storage of articles	
N	B29C 2948/92447	3	Moulded article	
N	B29C 2948/92457	3	Drive section, e.g. gearbox, motor or drive fluids	
N	B29C 2948/92466	3	Auxiliary unit, e.g. for external melt filtering, re-combining or transfer between units	
N	B29C 2948/92476	3	Fluids, e.g. for temperature control or of environment	
N	B29C 2948/92485	3	Start-up, shut-down or parameter setting phase; Emergency shut-down; Material change; Test or laboratory equipment or studies	
N	B29C 2948/92495	3	Treatment of equipment, e.g. purging, cleaning, lubricating or filter exchange	
N	B29C 2948/92504	2	Controlled parameter	
N	B29C 2948/92514	3	Pressure	
N	B29C 2948/92523	3	Force; Tension	
N	B29C 2948/92533	3	Torque	
N	B29C 2948/92542	3	Energy, power, electric current or voltage	
N	B29C 2948/92552	3	Frequency	
N	B29C 2948/92561	3	Time, e.g. start, termination, duration or interruption	
N	B29C 2948/92571	3	Position, e.g. linear or angular	
N	B29C 2948/9258	3	Velocity	
N	B29C 2948/9259	4	Angular velocity	
N	B29C 2948/926	4	Flow or feed rate	
N	B29C 2948/92609	3	Dimensions	
N	B29C 2948/92619	4	Diameter or circumference	
N	B29C 2948/92628	4	Width or height	
N	B29C 2948/92638	4	Length	
N	B29C 2948/92647	4	Thickness	
N	B29C 2948/92657	4	Volume or quantity	
N	B29C 2948/92666	4	Distortion, shrinkage, dilatation, swell or warpage	
N	B29C 2948/92676	3	Weight	
N	B29C 2948/92685	3	Density, e.g. per unit length or area	
N	B29C 2948/92695	3	Viscosity; Melt flow index [MFI]; Molecular weight	
N	B29C 2948/92704	3	Temperature	
N	B29C 2948/92714	3	Degree of crosslinking, solidification, crystallinity or homogeneity	

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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 [#]
N	B29C 2948/92723	3	Content, e.g. percentage of humidity, volatiles, contaminants or degassing	
N	B29C 2948/92733	3	Electrical properties	
N	B29C 2948/92742	3	Optical properties	
N	B29C 2948/92752	4	Colour	
N	B29C 2948/92761	3	Mechanical properties	
N	B29C 2948/92771	3	Magnetic properties	
N	B29C 2948/9278	3	Surface properties	
N	B29C 2948/9279	3	Errors or malfunctioning, e.g. for quality control	
N	B29C 2948/928	3	Presence or absence; Sequence; Counting	
N	B29C 2948/92809	3	Particular value claimed	
N	B29C 2948/92819	2	Location or phase of control	
N	B29C 2948/92828	3	Raw material handling or dosing, e.g. active hopper or feeding device	
N	B29C 2948/92838	3	Raw material pre-treatment, e.g. drying or cleaning	
N	B29C 2948/92847	3	Inserts	
N	B29C 2948/92857	3	Extrusion unit	
N	B29C 2948/92866	4	Inlet shaft or slot, e.g. passive hopper; Injector, e.g. injector nozzle on barrel	
N	B29C 2948/92876	4	Feeding, melting, plasticising or pumping zones, e.g. the melt itself	
N	B29C 2948/92885	5	Screw or gear	
N	B29C 2948/92895	5	Barrel or housing	
N	B29C 2948/92904	4	Die; Nozzle zone	
N	B29C 2948/92914	4	Degassing unit	
N	B29C 2948/92923	3	Calibration, after-treatment or cooling zone	
N	B29C 2948/92933	3	Conveying, transporting or storage of articles	
N	B29C 2948/92942	3	Moulded article	
N	B29C 2948/92952	3	Drive section, e.g. gearbox, motor or drive fluids	
N	B29C 2948/92961	3	Auxiliary unit, e.g. for external melt filtering, re-combining or transfer between units	
N	B29C 2948/92971	3	Fluids, e.g. for temperature control or of environment	
N	B29C 2948/9298	3	Start-up, shut-down or parameter setting phase; Emergency shut-down; Material change; Test or laboratory equipment or studies	
N	B29C 2948/9299	3	Treatment of equipment, e.g. purging, cleaning, lubricating or filter exchange	

*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

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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).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types .
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD> , <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalisation projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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B. New, Modified or Deleted Warning(s)

SUBLASS 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>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	B29C 48/03		Group B29C 48/03 is incomplete pending reclassification of documents from group B29C 48/30. Groups B29C 48/30 and B29C 48/03 should be considered in order to perform a complete search.
N	B29C 48/04		Group B29C 48/04 is incomplete pending reclassification of documents from group B29C 48/30. Groups B29C 48/30 and B29C 48/04 should be considered in order to perform a complete search.
N	B29C 48/05		Group B29C 48/05 is incomplete pending reclassification of documents from group B29C 48/30. Groups B29C 48/30 and B29C 48/05 should be considered in order to perform a complete search.
N	B29C 48/06		Group B29C 48/06 is incomplete pending reclassification of documents from group B29C 48/30. Groups B29C 48/30 and B29C 48/06 should be considered in order to perform a complete search.
N	B29C 48/07		Group B29C 48/07 is incomplete pending reclassification of documents from group B29C 48/30. Groups B29C 48/30 and B29C 48/07 should be considered in order to perform a complete search.
N	B29C 48/08		Group B29C 48/08 is incomplete pending reclassification of documents from group B29C 48/30. Groups B29C 48/30 and B29C 48/08 should be considered in order to perform a complete search.
N	B29C 48/09		Group B29C 48/09 is incomplete pending reclassification of documents from group B29C 48/30. Groups B29C 48/30 and B29C 48/09 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	B29C 48/10		Group B29C 48/10 is incomplete pending reclassification of documents from group B29C 48/30. Groups B29C 48/30 and B29C 48/10 should be considered in order to perform a complete search.
N	B29C 48/11		Group B29C 48/11 is incomplete pending reclassification of documents from group B29C 48/30. Groups B29C 48/30 and B29C 48/11 should be considered in order to perform a complete search.
N	B29C 48/12		Group B29C 48/12 is incomplete pending reclassification of documents from group B29C 48/30. Groups B29C 48/30 and B29C 48/12 should be considered in order to perform a complete search.
N	B29C 48/13		Group B29C 48/13 is incomplete pending reclassification of documents from group B29C 48/30. Groups B29C 48/30 and B29C 48/13 should be considered in order to perform a complete search.
N	B29C 48/131		Group B29C 48/131 is incomplete pending reclassification of documents from group B29C 48/30. Groups B29C 48/30 and B29C 48/131 should be considered in order to perform a complete search.
N	B29C 48/16		Group B29C 48/16 is incomplete pending reclassification of documents from groups B29C 48/255 and B29C 48/49. Groups B29C 48/255, B29C 48/49 and B29C 48/16 should be considered in order to perform a complete search.
N	B29C 48/17		Group B29C 48/17 is incomplete pending reclassification of documents from groups B29C 48/255 and B29C 48/49. Groups B29C 48/255, B29C 48/49 and B29C 48/17 should be considered in order to perform a complete search.
N	B29C 48/175		Group B29C 48/175 is incomplete pending reclassification of documents from groups B29C 48/255 and B29C 48/49. Groups B29C 48/255, B29C 48/49 and B29C 48/175 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	B29C 48/18		Group B29C 48/18 is incomplete pending reclassification of documents from groups B29C 48/255 and B29C 48/49. Groups B29C 48/255, B29C 48/49 and B29C 48/18 should be considered in order to perform a complete search.
N	B29C 48/185		Group B29C 48/185 is incomplete pending reclassification of documents from groups B29C 48/255 and B29C 48/49. Groups B29C 48/255, B29C 48/49 and B29C 48/185 should be considered in order to perform a complete search.
N	B29C 48/19		Group B29C 48/19 is incomplete pending reclassification of documents from groups B29C 48/255 and B29C 48/49. Groups B29C 48/255, B29C 48/49 and B29C 48/19 should be considered in order to perform a complete search.
N	B29C 48/20		Group B29C 48/20 is incomplete pending reclassification of documents from groups B29C 48/255 and B29C 48/49. Groups B29C 48/255, B29C 48/49 and B29C 48/20 should be considered in order to perform a complete search.
N	B29C 48/21		Group B29C 48/21 is incomplete pending reclassification of documents from groups B29C 48/255 and B29C 48/49. Groups B29C 48/255, B29C 48/49 and B29C 48/21 should be considered in order to perform a complete search.
N	B29C 48/22		Group B29C 48/22 is incomplete pending reclassification of documents from groups B29C 48/255 and B29C 48/49. Groups B29C 48/255, B29C 48/49 and B29C 48/22 should be considered in order to perform a complete search.
N	B29C 48/23		Group B29C 48/23 is incomplete pending reclassification of documents from groups B29C 48/255 and B29C 48/49. Groups B29C 48/255, B29C 48/49 and B29C 48/23 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	B29C 48/255		Group B29C 48/255 is impacted by reclassification into groups B29C 48/695, B29C 48/70, B29C 48/705, B29C 48/71, B29C 48/16, B29C 48/17, B29C 48/175, B29C 48/18, B29C 48/185, B29C 48/19, B29C 48/20, B29C 48/21, B29C 48/22, and B29C 48/23. All groups listed in this Warning should be considered in order to perform a complete search.
N	B29C 48/28		Group B29C 48/28 is impacted by reclassification into group B29C 48/355. Groups B29C 48/28 and B29C 48/355 should be considered in order to perform a complete search.
N	B29C 48/30		Group B29C 48/30 is impacted by reclassification into groups B29C 48/03, B29C 48/04, B29C 48/05, B29C 48/06, B29C 48/07, B29C 48/08, B29C 48/09, B29C 48/10, B29C 48/11, B29C 48/12, B29C 48/13, and B29C 48/131. All groups listed in this Warning should be considered in order to perform a complete search.
N	B29C 48/355		Group B29C 48/355 is incomplete pending reclassification of documents from group B29C 48/28. Groups B29C 48/28 and B29C 48/355 should be considered in order to perform a complete search.
N	B29C 48/36		Group B29C 48/36 is impacted by reclassification into group B29C 48/365. Groups B29C 48/36 and B29C 48/365 should be considered in order to perform a complete search.
N	B29C 48/365		Group B29C 48/365 is incomplete pending reclassification of documents from group B29C 48/36. Groups B29C 48/36 and B29C 48/365 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	B29C 48/38		Group B29C 48/38 is incomplete pending reclassification of documents from group B29C 48/425. Groups B29C 48/425 and B29C 48/38 should be considered in order to perform a complete search.
N	B29C 48/385		Group B29C 48/385 is incomplete pending reclassification of documents from group B29C 48/425. Groups B29C 48/425 and B29C 48/385 should be considered in order to perform a complete search.
N	B29C 48/40		Group B29C 48/40 is impacted by reclassification into groups B29C 48/405, B29C 48/41 and B29C 48/415. All groups listed in this Warning should be considered in order to perform a complete search.
N	B29C 48/405		Group B29C 48/405 is incomplete pending reclassification of documents from group B29C 48/40. Groups B29C 48/40 and B29C 48/405 should be considered in order to perform a complete search.
N	B29C 48/41		Group B29C 48/41 is incomplete pending reclassification of documents from group B29C 48/40. Groups B29C 48/40 and B29C 48/41 should be considered in order to perform a complete search.
N	B29C 48/415		Group B29C 48/415 is incomplete pending reclassification of documents from group B29C 48/40. Groups B29C 48/40 and B29C 48/415 should be considered in order to perform a complete search.
N	B29C 48/425		Group B29C 48/425 is impacted by reclassification into groups B29C 48/38, B29C 48/385, B29C 48/43, B29C 48/435 and B29C 48/44. All groups listed in this Warning should be considered in order to perform a complete search.
N	B29C 48/43		Group B29C 48/43 is incomplete pending reclassification of documents from group B29C 48/425. Groups B29C 48/425 and B29C 48/43 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	B29C 48/435		Group B29C 48/435 is incomplete pending reclassification of documents from group B29C 48/425. Groups B29C 48/425 and B29C 48/435 should be considered in order to perform a complete search.
N	B29C 48/44		Group B29C 48/44 is incomplete pending reclassification of documents from group B29C 48/425. Groups B29C 48/425 and B29C 48/44 should be considered in order to perform a complete search.
N	B29C 48/46		Group B29C 48/46 is impacted by reclassification into group B29C 48/47. Groups B29C 48/46 and B29C 48/47 should be considered in order to perform a complete search.
N	B29C 48/47		Group B29C 48/47 is incomplete pending reclassification of documents from group B29C 48/46. Groups B29C 48/46 and B29C 48/47 should be considered in order to perform a complete search.
N	B29C 48/475		Group B29C 48/475 is impacted by reclassification into groups B29C 48/48 and B29C 48/485. Groups B29C 48/475, B29C 48/48, and B29C 48/485 should be considered in order to perform a complete search.
N	B29C 48/48		Group B29C 48/48 is incomplete pending reclassification of documents from group B29C 48/475. Groups B29C 48/475 and B29C 48/48 should be considered in order to perform a complete search.
N	B29C 48/485		Group B29C 48/485 is incomplete pending reclassification of documents from group B29C 48/475. Groups B29C 48/475 and B29C 48/485 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	B29C 48/49		Group B29C 48/49 is impacted by reclassification into groups B29C 48/495, B29C 48/16, B29C 48/17, B29C 48/175, B29C 48/18, B29C 48/185, B29C 48/19, B29C 48/20, B29C 48/21, B29C 48/22, and B29C 48/23. All groups listed in this Warning should be considered in order to perform a complete search.
N	B29C 48/495		Group B29C 48/495 is incomplete pending reclassification of documents from group B29C 48/49. Groups B29C 48/49 and B29C 48/495 should be considered in order to perform a complete search.
N	B29C 48/505		Group B29C 48/505 is impacted by reclassification into groups B29C 48/58 and B29C 48/635. Groups B29C 48/505, B29C 48/58, and B29C 48/635 should be considered in order to perform a complete search.
N	B29C 48/51		Group B29C 48/51 is impacted by reclassification into group B29C 48/515. Groups B29C 48/51 and B29C 48/515 should be considered in order to perform a complete search.
N	B29C 48/515		Group B29C 48/515 is incomplete pending reclassification of documents from groups B29C 48/51 and B29C 48/82. Groups B29C 48/51, B29C 48/82, and B29C 48/515 should be considered in order to perform a complete search.
N	B29C 48/52		Group B29C 48/52 is impacted by reclassification into group B29C 48/525. Groups B29C 48/52 and B29C 48/525 should be considered in order to perform a complete search.
N	B29C 48/525		Group B29C 48/525 is incomplete pending reclassification of documents from group B29C 48/52. Groups B29C 48/52 and B29C 48/525 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	B29C 48/58		Group B29C 48/58 is incomplete pending reclassification of documents from group B29C 48/505. Groups B29C 48/505 and B29C 48/58 should be considered in order to perform a complete search.
N	B29C 48/59		Group B29C 48/59 is impacted by reclassification into groups B29C 48/595, B29C 48/60, B29C 48/605, B29C 48/61, and B29C 48/615. All groups listed in this Warning should be considered in order to perform a complete search.
N	B29C 48/595		Group B29C 48/595 is incomplete pending reclassification of documents from group B29C 48/59. Groups B29C 48/59 and B29C 48/595 should be considered in order to perform a complete search.
N	B29C 48/60		Group B29C 48/60 is incomplete pending reclassification of documents from group B29C 48/59. Groups B29C 48/59 and B29C 48/60 should be considered in order to perform a complete search.
N	B29C 48/605		Group B29C 48/605 is incomplete pending reclassification of documents from group B29C 48/59. Groups B29C 48/59 and B29C 48/605 should be considered in order to perform a complete search.
N	B29C 48/61		Group B29C 48/61 is incomplete pending reclassification of documents from group B29C 48/59. Groups B29C 48/59 and B29C 48/61 should be considered in order to perform a complete search.
N	B29C 48/615		Group B29C 48/615 is incomplete pending reclassification of documents from group B29C 48/59. Groups B29C 48/59 and B29C 48/615 should be considered in order to perform a complete search.
N	B29C 48/635		Group B29C 48/635 is incomplete pending reclassification of documents from group B29C 48/505. Groups B29C 48/505 and B29C 48/635 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	B29C 48/64		Group B29C 48/64 is impacted by reclassification into group B29C 48/66. Groups B29C 48/64 and B29C 48/66 should be considered in order to perform a complete search.
N	B29C 48/66		Group B29C 48/66 is incomplete pending reclassification of documents from group B29C 48/64. Groups B29C 48/64 and B29C 48/66 should be considered in order to perform a complete search.
N	B29C 48/691		Group B29C 48/691 is impacted by reclassification into groups B29C 48/693 and B29C 48/694. Groups B29C 48/691, B29C 48/693, and B29C 48/694 should be considered in order to perform a complete search.
N	B29C 48/693		Group B29C 48/693 is incomplete pending reclassification of documents from group B29C 48/691. Groups B29C 48/691 and B29C 48/693 should be considered in order to perform a complete search.
N	B29C 48/694		Group B29C 48/694 is incomplete pending reclassification of documents from group B29C 48/691. Groups B29C 48/691 and B29C 48/694 should be considered in order to perform a complete search.
N	B29C 48/695		Group B29C 48/695 is incomplete pending reclassification of documents from group B29C 48/255. Groups B29C 48/255 and B29C 48/695 should be considered in order to perform a complete search.
N	B29C 48/70		Group B29C 48/70 is incomplete pending reclassification of documents from group B29C 48/255. Groups B29C 48/255 and B29C 48/70 should be considered in order to perform a complete search.
N	B29C 48/705		Group B29C 48/705 is incomplete pending reclassification of documents from group B29C 48/255. Groups B29C 48/255 and B29C 48/705 should be considered in order to perform a complete search.

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	B29C 48/71		Group B29C 48/71 is incomplete pending reclassification of documents from group B29C 48/255. Groups B29C 48/255 and B29C 48/71 should be considered in order to perform a complete search.
N	B29C 48/82		Group B29C 48/82 is impacted by reclassification into groups B29C 48/515, B29C 48/84, B29C 48/845 and B29C 48/85. All groups listed in this Warning should be considered in order to perform a complete search.
N	B29C 48/84		Groups B29C 48/84, B29C 48/845 and B29C 48/85 are incomplete pending reclassification of documents from group B29C 48/82. All groups listed in this Warning should be considered in order to perform a complete search.
N	B29C 48/88		Group B29C 48/88 is impacted by reclassification into groups B29C 48/885 and B29C 48/89. Groups B29C 48/88, B29C 48/885, and B29C 48/89 should be considered in order to perform a complete search.
N	B29C 48/885		Group B29C 48/885 is incomplete pending reclassification of documents from group B29C 48/88. Groups B29C 48/88 and B29C 48/885 should be considered in order to perform a complete search.
N	B29C 48/89		Group B29C 48/89 is incomplete pending reclassification of documents from group B29C 48/88. Groups B29C 48/88 and B29C 48/89 should be considered in order to perform a complete search.
N	B29C 48/94		Group B29C 48/94 is impacted by reclassification into group B29C 48/95. Groups B29C 48/94 and B29C 48/95 should be considered in order to perform a complete search.
N	B29C 48/95		Group B29C 48/95 is incomplete pending reclassification of documents from group B29C 48/94. Groups B29C 48/94 and B29C 48/95 should be considered in order to perform a complete search.

*N = new warning, M = modified warning, D = deleted warning

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NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

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C. New, Modified or Deleted Note(s)**SUBCLASS B01D - SEPARATION**

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
N	B01D 21/00		<p>{ Attention is made to the following places of filters: liquid-liquid separation, e.g. for filtering elements made hydrophilic or hydrophobic, B01D 12/00, B01D 17/00, B01D 43/00; filtering material and its regeneration, as well as filtering aids, B01D 39/00; gas or air filters in general B01D 46/00;</p> <p>aquarium filters A01K 63/04; filters for cigars and cigarettes A24D 3/00; filters for coffee or tea-making machines A47J 31/06; filters for frying fat A47J 37/12; filters for suction cleaners A47L 9/10; blood or infusion liquid filters A61M 5/165; filtration devices for laboratory use B01L; "dewatering" ore or coal slurry B03B 5/48; magnetic filters B03C 1/00; screens or sieves per se B07B 1/00; filters for lubricating and cooling systems in turning, boring or milling machines B23Q 11/10; filters for cooling systems in grinding machines B24B 55/00; extrusion filters B29C 48/69; filter presses B30B 9/02; purification of process water, drinking water and waste water C02F; filters for alcoholic beverages C12H 1/00; filtering spinning solution or melt D01D 1/10; filters for washing machines D06F 39/10; filters or strainers for papermaking D21D; filters in water collecting systems E03B 3/18, E03B 7/07; subsoil filters for boreholes E21B 43/02; air filters for internal-combustion engines F02M 35/02; filters for pumps F04B 39/16, F04D 29/70; filters in pipe systems F16L 55/24; filtration of lubricants F16N 39/06; filters for volume measuring apparatus G01F 15/12 }</p>

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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>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
D	B29C 47/0004	When classifying in this group, it is desirable to add the indexing codes of subclass B29K to identify the moulding materials and their properties. Documents concerning the choice of moulding materials having a particular influence on the moulding technique should be classified in this group if of interest	
D	B29C 47/88	{ Attention is drawn to Note (3) following the subclass title }	
D	B29C 47/92	When classifying in group B29C 47/92 it is desirable to add the indexing codes of B29C 2947/00 relating to measuring, controlling or regulating in extrusion moulding	
N	B29C 48/022		When classifying in this group, it is desirable to add the indexing codes of subclass B29K to identify the moulding materials and their properties. Documents concerning the choice of moulding materials having a particular influence on the moulding technique should be classified in this group if of interest.
N	B29C 48/88		When classifying in this group, forms or shapes of products are further classified in groups B29C 48/03 - B29C 48/13
N	B29C 48/92		When classifying in group B29C 48/92 it is desirable to add the indexing codes of B29C 2948/00 relating to measuring, controlling or regulating in extrusion moulding

*N = new note, M = modified note, D = deleted note

NOTE: The "Location" column only requires the symbol PRIOR to the location of the note. No further directions such as "before" or "after" are required.

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SUBCLASS B29K- 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>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	B29K NOTES	3. Documents relating to compositions or properties of the materials to be shaped, said compositions having a particular influence on the shaping technique, should be classified in the shaping technique, e.g. B29C39/003, B29C41/003, B29C43/003, B29C45/0001, B29C47/0004, B29C49/0005, B29C51/002, B29C53/005, B29C55/005, B29C61/003, B29C63/0017 and B2965/00S Copolymers are indexed with the same indexing code as the majority polymers	3. Documents relating to compositions or properties of the materials to be shaped, said compositions having a particular influence on the shaping technique, should be classified in the shaping technique, e.g. B29C39/003 , B29C41/003 , B29C43/003 , B29C45/0001 , B29C48/022 , B29C49/0005 , B29C51/002 , B29C53/005 , B29C55/005 , B29C61/003 and B29C63/0017 . Copolymers are indexed with the same indexing code as the majority polymers

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

SUBCLASS B01D - SEPARATION

<u>Type*</u>	<u>Location</u>	<u>Old Guidance Heading</u>	<u>New/Modified Guidance Heading</u>
M	B01D23/00	Filtration; Filtering material, regeneration thereof ({aquarium filters A01K 63/04; filters for cigars and cigarettes A24D 3/00; filters for coffee or tea-making machines A47J 31/06; filters for frying fat A47J 37/12; filters for suction cleaners A47L 9/10} ; blood or infusion liquid filters A61M 5/165; {liquid-liquid separation, e.g. for filtering elements made hydrophilic or hydrophobic, B01D 12/00, B01D 17/00, B01D 43/00; filtering material and its regeneration, as well as filtering aids, B01D 39/00; gas or air filters in general B01D 46/00; filtration devices for laboratory use B01L; "dewatering" ore or coal slurry B03B 5/48; magnetic filters B03C 1/00} ; screens or sieves per se B07B 1/00; {filters for lubricating and cooling systems in turning, boring or milling machines B23Q 11/10; filters for cooling systems in grinding machines B24B 55/00}; extrusion filters B29C 47/68; {filter presses B30B 9/02; purification of process water, drinking water and waste water C02F; filters for alcoholic beverages C12H 1/00} ; filtering spinning solution or melt D01D 1/10; {filters for washing machines D06F 39/10; filters or strainers for papermaking D21D; filters in water collecting systems E03B 3/18, E03B 7/07; subsoil filters for boreholes E21B 43/02; air filters for internal-combustion engines F02M 35/02; filters for pumps F04B 39/16, F04D 29/70; filters in pipe systems F16L 55/24} ; filtration of lubricants F16N 39/06; {filters for volume measuring apparatus G01F 15/12})	Filtration; Filtering material, regeneration thereof

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*N = new guidance heading, M =modified guidance heading, D = deleted guidance heading

NOTES:

- The “Location” column requires the symbol AFTER the guidance heading location. No further directions such as “before” or “after” are required.
- In cases where there may be confusion as to whether a new group falls within the scope of a guidance heading, indicate the guidance heading and whether the group does or does not go with the guidance heading. This can be included in the “Location” column. For example, the guidance heading “Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen” encompasses groups C07C 301/00-395/00 only. If a new group C07C 398/00 is proposed and is included in the guidance heading scope, indicate this in the “Location” column as follows: 398/00 to be included under the guidance heading: “Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen.”

2. A. DEFINITIONS (new)

Insert the following new definitions.

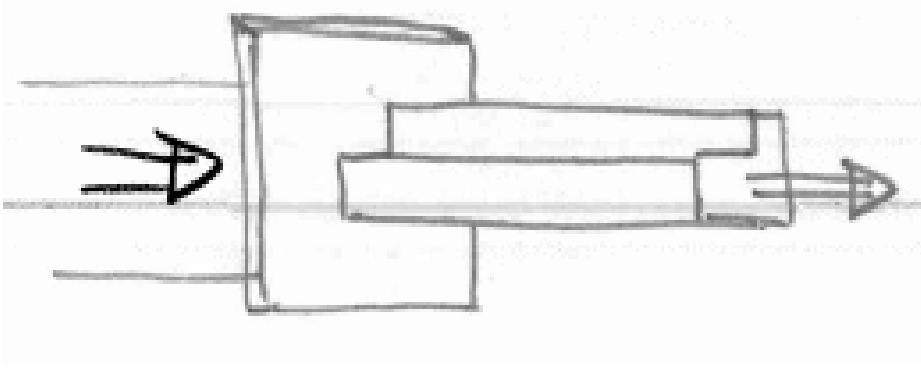
B29C 48/00

Definition statement

This place covers:

Processes whereby material of substances in a plastic state (e.g. polymers) are being pressed through a nozzle, thereby obtaining a cross sectional shape. This shape could be any hollow or solid shape.

Combinations of extrusion and other shaping techniques.



References

Limiting references

This place does not cover:

Extrusion blow-moulding	B29C 49/04
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Informative references

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

Extrusion blow moulding whereby the parison is being partly injected and partly extruded	B29C 49/022
Mixing dough	A21C 1/00

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Mixing chocolate	A23G
Mixing in general, phases	B01F 3/00
Mixing in general, mixer types	B01F 5/00
Mixing in general, mixers with rotary stirring devices	B01F 7/00
Hand held extruders	B05C 17/00
Extruding metal	B21C 23/00
Presses for clay or mixtures containing cement wherein material is extruded	B28B 3/20
Extruding clay	B28B 3/22
Mixing, kneading of the material to be shaped	B29B 7/00
Mixing or kneading with more than one shaft	B29B 7/46
Making preforms by extrusion moulding	B29B 11/10
Presses using a press ram	B30B 1/00
Presses for forming shaped articles from particulate or plastic state, extrusion presses	B30B 11/22
Machinery for making envelopes or bags etc	B31B
Folding and filling bags	B65B 9/08
Extruding microstructures	B81B, B81C
Reaction extrusion	C08
Melt spinning	D01D

Special rules of classification

All material aspects, not only the moulding material as such, but also fillers, preformed parts of mould (die) composition has to be identified by allocating the appropriate Indexing Code of [B29K](#). This also applies to moulding material properties, e.g. tear strength for identifying that extruded layers are easily torn apart is classified in [B29K2995/0081](#).

Extrusion techniques characterised by the material must be allocated a classification in [B29C 48/0022](#).

All SHAPING CONDITIONS influencing the extrusion technique, e.g. extrusion in sterile or vacuum environments, the application of vibrations, must be identified by

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allocating the appropriate Indexing Code as provided in [B29C 2791/004](#) and subgroups, as well the classification in [B29C 48/14](#) or subgroups.

Cutting operations and printing operations must be identified by allocating the appropriate Indexing Code as provided in [B29C 2793/00](#) and [B29C 2795/00](#).

All ARTICLES must be identified by allocating the appropriate Indexing Codes as provided for by the subclass [B29L](#), e.g. anchoring between layers in general, e.g. due to chemical treatment [B29C 2045/1664](#), mechanical anchoring in general, e.g. layers gripping into each other [B29C 37/0082](#).

COMBINATIONS of extrusion and other techniques corresponding to the subgroups of [B29C 48/001](#) are classified in [B29C 48/001](#) or one of its subgroups.

Orienting or stretching of extruded materials should be identified by allocation the Indexing Code [B29K 2995/005](#) and [B29K 2995/0046](#) or one of its subgroups.

The Indexing Codes [B29C 2791/00](#) - [B29C 2791/003](#) are generally not used in this group [B29C 48/00](#).

All MEASURING and CONTROL aspects must receive the relevant code(s) in the [B29C2948/92](#) indexing scheme.

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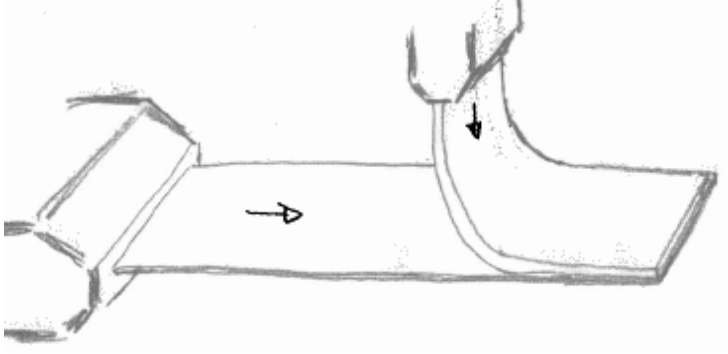
B29C 48/0011**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Compression moulding, i.e. applying external pressure to flow the moulding material, e.g. foaming	B29C 43/00
Coagulating materials by using a bath	B29C 48/919
Polymer / Wood fiber composites	B27N 3/28
Moulding materials	B29K 2001/00 - B29K 2103/00
Condition form or state of the material to be shaped or moulded material	B29K 2105/00
Use of materials as reinforcements	B29K 2201/00 - B29K 2313/00
Use of materials as preformed parts, e.g. inserts	B29K 2601/00 - B29K 2713/00
Use of materials as mould material	B29K 2801/00 - B29K 2913/00
Properties of the moulding materials	B29K 2995/00
Compositions of Macromolecular compounds in general	C08L 1/00 - C08L 101/10

B29C 48/0014

Definition statement

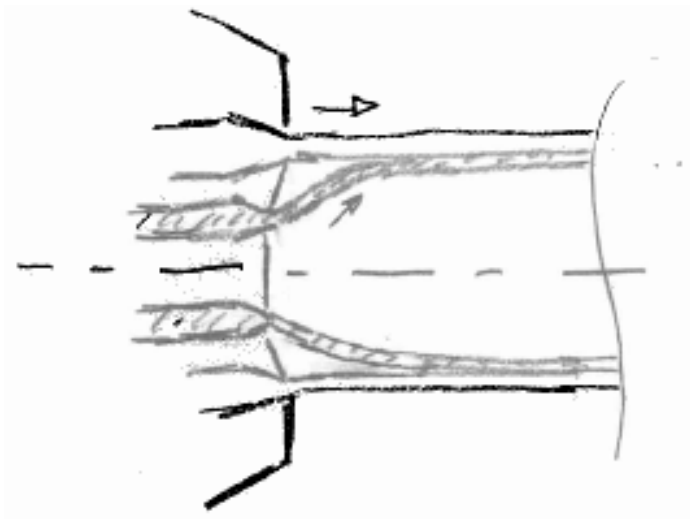
This place covers:



B29C 48/0015

Definition statement

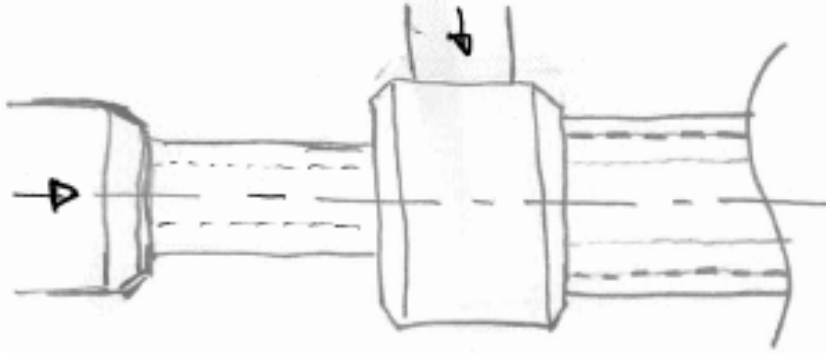
This place covers:



B29C 48/0016

Definition statement

This place covers:



B29C 48/0017

References

Informative references

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

Blow moulding combined with the manufacture of the preform	B29C 49/02
Thermoforming combined with the manufacture of the preform	B29C 51/02

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B29C 48/0018

References

Limiting references

This place does not cover:

Extrusion moulding combined with blow-moulding or thermoforming	B29C 48/0017
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Informative references

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

Oriented material	B29K 2995/005
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Special rules of classification

The Indexing Codes as provided in [B29K 2995/005](#) and [B29K 2995/0046](#) and subgroups should preferably be allocated to identify aspects relating to orienting or stretching.

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B29C 48/0019**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Shaping by bending, folding, twisting, straightening or flattening of blown tubular films	B29C 53/10
Folding sheets for making bags	B31B 50/26
Folding and filling bags	B65B 9/08

B29C 48/002**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Surface shaping {of articles}, e.g. embossing; Apparatus therefor	B29C 59/00
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B29C 48/0021**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Lining or sheathing, i.e. applying preformed layers or sheathings of plastics; Apparatus therefor	B29C 63/00
Joining {or sealing} of preformed parts {, e.g. welding of plastics materials}; Apparatus therefor	B29C 65/00
Methods or apparatus for laminating, e.g. by curing or by ultrasonic bonding	B32B 37/00

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B29C 48/0022

References

Informative references

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

Cutting	B29C 2793/00
Cutting off	B29C 2793/0027
Cutting longitudinally	B29C 2793/0063

Special rules of classification

The Indexing Codes as provided in [B29C 2793/00](#) and subgroups should preferably be allocated to identify aspects relating to the process of cutting

B29C 48/0023

References

Informative references

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

Printing	B29C 2795/00
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Special rules of classification

The Indexing Codes as provided in [B29C2795/00](#) and subgroups should preferably be allocated to identify aspects relating to the process of printing.

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B29C 48/02

Definition statement

This place covers:

Extruders used for material testing or making test specimens for testing material properties.

References

Informative references

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

Design of extruder parts, e.g. by modelling based on mathematical theories or experiments	B29C 48/251
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B29C 48/022**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Coagulating materials by using a bath	B29C 48/919
Polymer / Wood fiber composites	B27N 3/28
Moulding materials	B29K 2001/00 - B29K 2103/00
Condition form or state of the material to be shaped or moulded material	B29K 2105/00
Use of materials as reinforcements	B29K 2201/00 - B29K 2313/00
Use of materials as preformed parts, e.g. inserts	B29K 2601/00 - B29K 2713/00
Use of materials as mould material	B29K 2801/00 - B29K 2913/00
Properties of the moulding materials	B29K 2995/00
Compositions of Macromolecular compounds in general	C08L 1/00 - C08L 101/10

B29C 48/023**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Feeding at several locations	B29C 48/297
Degradable materials	B29K 2995/0059

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B29C 48/025**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Using more than one extruder to feed one die, e.g. adapter blocks	B29C 48/49
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B29C 48/0255**References*****Limiting references****This place does not cover:*

Extrusion moulding in several steps	B29C 48/0013
Extrusion nozzles comprising two or more adjacently arranged ports	B29C 48/345

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

Using more than one extruder to feed one die, e.g. adapter blocks	B29C 48/49
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B29C 48/03**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Manufactured articles	B29L
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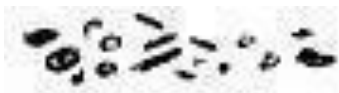
PROJECT RP0568

B29C 48/04

Definition statement

This place covers:

The extrusion moulding articles characterised by their shape, the shape being particle, powder, or granule.



References

Limiting references

This place does not cover:

Making granules

B29B 9/00

Informative references

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

Particles, powder, granules

B29K 2105/251

B29C 48/05

Definition statement

This place covers:

The extrusion moulding articles characterised by their shape, the shape being filamentary (e.g. threads, fibres).



References

Informative references

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

Producing filamentary materials

B29D 99/0078

Filamentary material

B29L 2031/731

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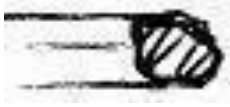
PROJECT RP0568

B29C 48/06

Definition statement

This place covers:

The extrusion moulding articles characterised by their shape, the shape being non-tubular rigid (e.g. rod).



References

Informative references

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

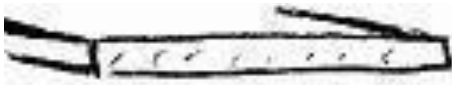
Producing rods	B29D 99/0046
Rods	B29L 2031/06

B29C 48/07

Definition statement

This place covers:

The extrusion moulding articles characterised by their shape, the shape being flat rigid (e.g. panel or plate).



References

Informative references

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

Flat articles	B29L 2007/00
Belts or bands	B29L 2029/00

DATE: FEBRUARY 1, 2019

PROJECT RP0568

B29C 48/08

Definition statement

This place covers:

The extrusion moulding articles characterised by their shape, the shape being flat flexible (e.g. sheet, foil, or film).



References

Informative references

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

Flat articles	B29L 2007/00
Films webs	B29L 2007/008
Belts or bands	B29L 2029/00

DATE: FEBRUARY 1, 2019

PROJECT RP0568

B29C 48/09

Definition statement

This place covers:

The extrusion moulding articles characterised by their shape, the shape being tubular rigid (e.g. one hole).



References

Informative references

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

Hollow articles	B29L 2022/00
Tubular articles	B29L 2023/00
Tubes or pipes, i.e. rigid	B29L 2023/22
Articles with hollow walls	B29L 2024/00

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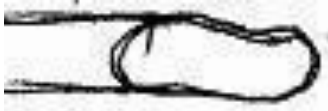
PROJECT RP0568

B29C 48/10

Definition statement

This place covers:

The extrusion moulding articles characterised by their shape, the shape being tubular flexible (e.g. foil or film).



References

Informative references

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

Tubular articles	B29L 2023/00
Tubular films, sleeves	B29L 2023/001

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PROJECT RP0568

B29C 48/11

Definition statement

This place covers:

The extrusion moulding articles characterised by their shape, the shape being multi hole (e.g. honeycomb).



References

Informative References

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

Extruding ceramic honeycomb structures	B28B 2003/203
Producing honeycomb structures	B29D 99/0089
Multi-tubular articles	B29L 2031/60
Honeycomb	B29L 2031/608

B29C 48/12

Definition statement

This place covers:

The extrusion moulding articles characterised by their shape, the shape being irregular (e.g. non-flat or non-cylindrical).



References

Informative References

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

Articles having a profiled cross section
--

B29L 2031/003

B29C 48/13

Definition statement

This place covers:

The extrusion moulding articles characterised by their shape, the shape being longitudinally irregular.

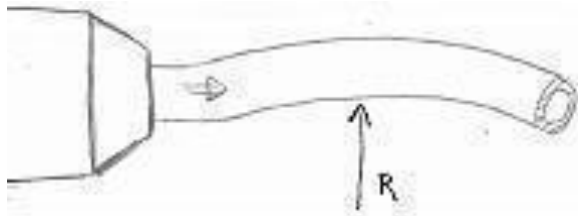


B29C 48/131

Definition statement

This place covers:

The extrusion moulding articles characterised by their shape, the shape being curved.



B29C 48/14

References

Informative References

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

Shaping conditions, e.g. vacuum	B29C 2791/004
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B29C 48/142

Definition statement

This place covers:

Vertical extrusion

References

Limiting references

This place does not cover:

Electrostatic pinning	B29C 48/9165
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DATE: FEBRUARY 1, 2019

PROJECT RP0568

B29C 48/15

References

Informative References

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

Relative movement between apparatus parts, e.g. moving die along preformed part to be coated	B29C 48/266
Applying material to surfaces	B05 C5/02
Applying material to a part of an article	B05 C5/0216

B29C 48/17

References

Informative References

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

Applying surface layers, e.g. coatings, decorative layers	B29C 37/0025
Applying coating, colouring	B29D 11/00865 , B29D 11/00894
Pigments, colouring agents	B29K 2105/0032
Materials having optical properties	B29K 2995/0018
Coloured articles	B29K 2995/002
Multi-coloured articles	B29K 2995/0021

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PROJECT RP0568

B29C 48/175**Definition statement***This place covers:***B29C 48/18****Definition statement***This place covers:*

Co-extrusion of several components, e.g. layers

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

Incorporating preformed components	B29C 48/15
Dies for co-extrusion of multi-component articles	B29C 48/304 , B29C 48/335
Producing layered products	B29D 2009/00
Layered products	B29L 2009/00
Layered products	B32B 1/00 - B32B 33/00
Methods or apparatus for laminating	B32B37/00

B29C 48/185

References

Informative References

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

Layer multiplication	B29C 48/71
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B29C 48/19

Definition statement

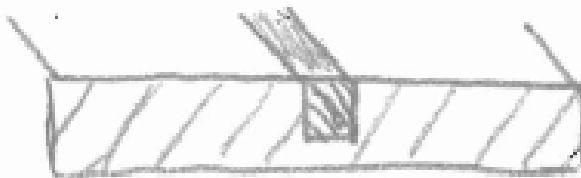
This place covers:



B29C 48/20

Definition statement

This place covers:



B29C 48/21

Definition statement

This place covers:



B29C 48/22

References

Informative References

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

Mechanical anchoring in general, e.g. layers gripping to each other	B29C 37/0082
Anchoring between layers in general, e.g. due to chemical treatment	B29C 2045/1664
Tear strength in general, e.g. layers easily torn apart	B29K 2995/0081

B29C 48/23

References

Informative References

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

Decreased tear strength	B29K 2995/0081
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PROJECT RP0568

B29C 48/251

Definition statement

This place covers:

Extruder calculations, e.g. analytical or numerical, theory or experiments.

B29C 48/2519

Definition statement

This place covers:

For example, analytical or numerical

B29C 48/252

References

Informative References

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

Drive means for presses	B30B 11/241
Gearings	F16H 1/22

B29C 48/2528

Definition statement

This place covers:

For example, drives for conveyor unit or cutting unit

DATE: FEBRUARY 1, 2019

PROJECT RP0568

B29C 48/255

Definition statement

This place covers:

Valves or adjustable parts, e.g. for changing flow direction, to change or modify the flow pattern or to throttle the flow.

References

Limiting references

This place does not cover:

Flow dividers	B29C 48/695
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Informative References

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

Explicit throttling in general	B29C 48/268
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B29C 48/256

References

Limiting references

This place does not cover:

Arrangements for replacing filters	B29C 48/691
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Informative References

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

Injection moulding exchanging the injection unit or parts thereof	B29C45/176
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B29C 48/2564

Definition statement

This place covers:

For example, modular screw parts

B29C 48/2565

Definition statement

This place covers:

For example, modular barrel parts

B29C 48/2566

Definition statement

This place covers:

For example, modular die parts

B29C 48/2567

Definition statement

This place covers:

For example, modular hopper of feeder parts

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B29C 48/2568

Definition statement

This place covers:

Small parts, e.g. for changed flow pattern, changed extrudate shape, to throttle flow or replaceable parts due to wear

B29C 48/266

References

Informative References

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

Extruding onto a preformed part or component
--

B29C 48/15

B29C 48/268

Definition statement

This place covers:

Explicit throttling

References

Limiting references

This place does not cover:

Flow control means

B29C 48/255

Informative References

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

Throttling in mixers

B29B 7/488

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PROJECT RP0568

B29C 48/2694

References

Informative References

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

Articles of definite length	B29C 2791/002
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B29C 48/285

References

Informative References

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

Handling material to be moulded	B29C 31/02
Injection moulding, feeding	B29C 45/18
Conveying of bulk material	B65G 53/00

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PROJECT RP0568

B29C 48/286

Definition statement

This place covers:

Raw material dosing in proximity to or during the feeding, e.g.

- handling and feeding pre-formed parts in the correct velocity
- handling and/or mixing materials in foreseen quantities and feeding these.

References

Informative References

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

Feeding in measured doses	B29C 31/06
Control aspects of volume	B29C 2948/92161 , B29C 2948/92657
Control aspects of weight	B29C 2948/9218 , B29C 2948/92676
Control aspects of dosing	B29C 2948/92333 , B29C 2948/92828
Mixing, kneading	B29B 7/00
Making preforms	B29B 11/00
Weighing	G01G 13/00 , G01G 19/22

B29C 48/287

Definition statement

This place covers:

Pre-treatment in proximity to or during feeding, e.g. drying or cleaning

References

Limiting references

This place does not cover:

Thermal treatment of the extrusion moulding material or of preformed parts or layers	B29C 48/78
--	------------

Informative References

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

Conditioning or physical pre-treatment of a material to be shaped	B29B 13/00
Pre-treatment of a material to be shaped in general	B29B 15/00
Conditioning of physical pre-treatment of a material to be shaped	B29C 31/00
Drying of half products, e.g. preforms	B29C 37/0092
Control aspects of pre-treatment	B29C 2948/92342, B29C 2948/92838

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B29C 48/288**Definition statement***This place covers:*

For example, feeding the main material in solid form

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

Solid material	B29K 2105/25
Particle, powder, granule	B29K 2105/251

B29C 48/2883**References*****Informative References****Attention is drawn to the following places, which may be of interest for search:*

Containing inserts	B29K 2105/20
Use of materials as reinforcements	B29K 2201/00 - B29K 2313/00
Use of materials as preformed parts, e.g. inserts	B29K 2601/00 - B29K 2713/00

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B29C 48/2886**References****Informative References**

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

Moulding materials containing continuous reinforcements	B29K 2105/08
Moulding materials containing short length reinforcements	B29K 2105/12
Moulding materials containing containing fillers	B29K 2105/16
Use of materials as reinforcements	B29K 2201/00 - B29K 2313/00
Use of materials as fillers	B29K2401/00 - B29K 2511/00

B29C 48/29**Definition statement**

This place covers:

For example, feeding additives

References**Informative References**

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

Plasticisers	B29K 2105/0038
Liquid or viscous moulding materials	B29K 2105/0058

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PROJECT RP0568

B29C 48/295

Definition statement

This place covers:

For example, feeding of blowing agents

References

Informative References

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

Moulding material in a gaseous state	B29K 2105/0055
Moulding material in plasma state	B29K 2105/0082

B29C 48/297

Definition statement

This place covers:

For example, using separate reinforcement feeding

B29C 48/3001

Special rules of classification

Materials and coatings for calibrators are classified in the same groups as for dies, [B29C 48/3001](#), [B29C 48/3003](#)

DATE: FEBRUARY 1, 2019

PROJECT RP0568

B29C 48/302

References

Informative References

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

Flow control means before the exit section
--

B29C 48/2556

Glossary of terms

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

Exit section

last part of die shaping the material

B29C 48/303

Definition statement

This place covers:

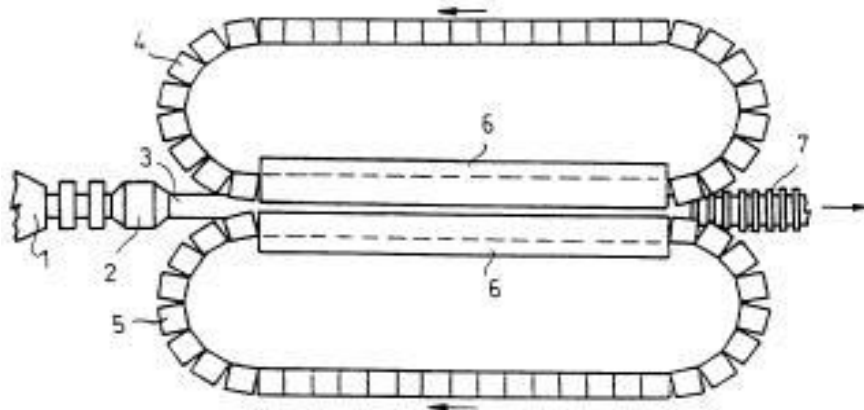


FIG. 1

References

Limiting references

This place does not cover:

Extrusion nozzles or dies with rollers	B29C 48/35
--	------------

Informative References

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

Continuously moving moulds in general	B29C 33/36
Casting between endless belts	B29C 39/16
Compression moulding between endless belts	B29C 43/228
Foaming between endless belts	B29C 44/30
Blow moulding of articles of indefinite length using moulds movable in closed circuit	B29C 49/0021
Blow moulding using moulds mounted on movable endless supports	B29C 49/38

B29C 48/304

References

Informative References

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

Co-extrusion of multi-component articles	B29C 48/18
--	----------------------------

B29C 48/305

Definition statement

This place covers:

For example, extrusion dies for panels or plates

B29C 48/307

References

Informative References

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

Co-extrusion of multi-component articles	B29C 48/18
--	----------------------------

B29C 48/31

References

Informative References

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

Flow control means before the exit section	B29C 48/2556
--	------------------------------

Glossary of terms

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

Exit section	last part of die shaping the material
--------------	---------------------------------------

B29C 48/325

References

Informative References

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

Flow control means before the exit section
--

B29C 48/2556

Glossary of terms

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

Exit section	last part of die shaping the material
--------------	---------------------------------------

B29C 48/335

References

Informative References

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

Co-extrusion of multi-component articles
--

B29C 48/18

B29C 48/34

Definition statement

This place covers:

Side feeding the nozzle, i.e. nozzle axis not on the extruder axis, but normally perpendicular to it or at an angle

DATE: FEBRUARY 1, 2019

PROJECT RP0568

B29C 48/345

Definition statement

This place covers:

Multiple separate nozzle outlets next to each other.

References

Informative References

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

Extrusion of particle, powder, granular shapes	B29C 48/04
Extrusion of filamentary shapes	B29C 48/05
Extrusion followed by under-water pelletizing	B29B 9/065
Producing filamentary material	B29D 99/0078
Electro spinning	D01D 5/00
Melt blowing	D04H 1/54

Special rules of classification

Pure melt-extrusion where the filaments are not shaped/formed by extrusion through the die but with other extrusion aspects should be allocated the Indexing Code

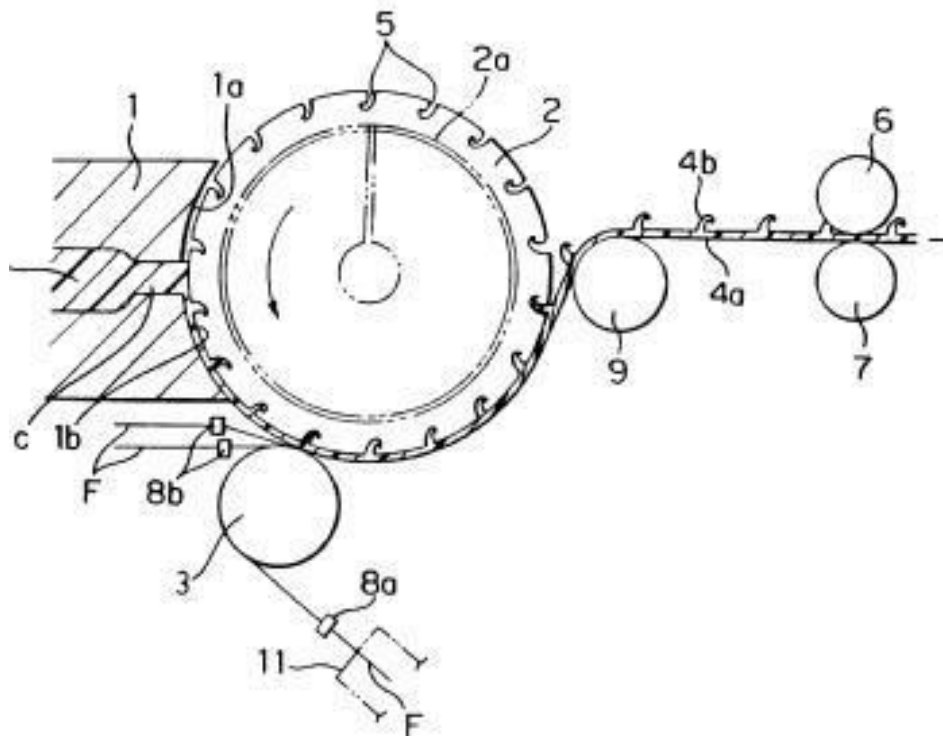
[B29C 48/00](#), but not an inventive or additional classification in [B29C 48/345](#) for this aspect.

B29C 48/35

Definition statement

This place covers:

Rollers shape the material exiting the extruder nozzle - normally nozzle exit at a roller or between rollers



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 48/36

References

Informative References

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

Means for plasticising or homogenising in injection moulding	B29C 45/46
--	----------------------------

B29C 48/37

References

Informative References

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

Gear pumps	F04C 2/08
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B29C 48/375

Definition statement

This place covers:

For example, one plasticiser after the other

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B29C 48/38

References

Informative References

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

Multi stage plasticising using separate plasticisers, e.g. screw extruder followed by a gear pump	B29C 48/375
Mixers with consecutive casings or screws	B29B 7/487

B29C 48/387

References

Informative References

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

Injection moulding using screws and injection ram or piston	B29C 45/54
---	----------------------------

B29C 48/39

Definition statement

This place covers:

Feeding a plasticised melt into another plasticised melt, e.g. feeding one plasticised melt into the middle of an extruder plasticising another melt.

References

Informative References

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

Feeding of the raw material to be extruded	B29C 48/285
--	-----------------------------

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B29C 48/395

Definition statement

This place covers:

Screws or worms that transport, melt, mix and pump the material out through the nozzle and where the interaction between barrel to screw or screw to screw is important.

References

Informative References

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

Means for plasticising or homogenising using screws in injection moulding	B29C45/47
Flow control by valves	B29C 48/2552
Design, e.g. calculations, experiments or theory, e.g. for intermeshing screws, mechanical strength or flow	B29C 48/251- B29C 48/2519
Explicit throttling	B29C 48/268
Cleaning or purging	B29C 48/2715
Screws	B29C 48/505
Screw elements, i.e. element shapes affecting flow	B29C 48/51- B29C 48/67
Barrels	B29C 48/68
Venting	B29C 48/766
Heating or cooling at plasticising zone	B29C 48/80
Handheld extruders	B05C 17/00
Mixers with screw or helix	B29B 7/42
Presses using screws or worms	B30B 11/24

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B29C 48/40

References

Informative References

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

Mixers with two or more intermeshing devices
--

B29 B7/46

B29C 48/42

Definition statement

This place covers:

For example, the screws having differing lengths or different screw element types

B29C 48/425

Definition statement

This place covers:

For example, screws arranged next to each other in a circular configuration

References

Limiting references

This place does not cover:

Plasticizers, homogenisers or feeders using two or more serially arranged screws
--

B29C 48/38, B29C 48/385
--

Informative References

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

Mixers with three or more screws

B29B 7/485

B29C 48/435

References

Informative References

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

Mixers with three or more screws

B29B 7/485

B29C 48/45

References

Informative References

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

Axially movable screws in injection moulding
--

B29C 45/50

B29C 48/46

Definition statement

This place covers:

Plasticising and pumping the material using discs

References

Informative References

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

Roller extrusion nozzles

B29C 48/35

B29C 48/475

References

Informative References

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

Injection moulding using screws and injection ram or piston	B29C 45/54
---	----------------------------

B29C 48/49

Definition statement

This place covers:

For example, means to combine melt flows, e.g. using adapter blocks.

References

Informative References

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

General arrangement or layout of extrusion plants	B29C 48/025
---	-----------------------------

B29C 48/501

Definition statement

This place covers:

Constructional details of the section of the extruder that is located around the inlet of material, details of cylinder or screw in that particular location.

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B29C 48/503

Definition statement

This place covers:

For example, first time assembly

For example, cooling a barrel lining and inserting it into the barrel

References

Limiting references

This place does not cover:

Exchangeable extruder parts	B29C 48/256
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Informative References

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

Moulds characterised by the manufacturing process	B29C 33/3842
Manufacturing dies	B23P 15/00
Use of materials as mould material	B29K 2801/00 - B29K 2913/00

B29C 48/505

Definition statement

This place covers:

Details of the construction and layout of the screw.

References

Informative References

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

Means for plasticising or homogenising using screws in injection moulding	B29C 45/47
Injection moulding, details, screws	B29C 45/60
Drives, screw supports, bearings	B29C 48/2522
Flow control by valves	B29C 48/2552
Mounting or handling of screws	B29C 48/2561
Exchangeable screw parts or segments, e.g. modular screws	B29C 48/2564
Inserts, i.e. small exchangeable parts, e.g. for replacement due to wear	B29C 48/25682
Design, e.g. calculations, experiments or theory, e.g. for intermeshing screws, mechanical strength or flow	B29C 48/251 - B29C 48/2519
Explicit throttling	B29C 48/268
Cleaning or purging of screws	B29C 48/2715
Feeding, e.g. blowing agents, through a screw	B29C 48/298
Screw elements, i.e. element shapes affecting flow	B29C 48/51 - B29C 48/67
Venting through the screw	B29C 48/766
Heating or cooling screws	B29C 48/80
Screws for mixers	B29B 7/42 - B29B 7/48
Presses using screws or worms	B30B 11/24

B29C 48/59

Definition statement

This place covers:

For example, openings, interruptions or changing thread thickness

B29C 48/625

Definition statement

This place covers:

For example, section length L/D

B29C 48/68

References

Informative References

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

Injection moulding, details, barrels or cylinders	B29C 45/62
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B29C 48/685

Definition statement

This place covers:

Irregular inner surfaces being not simple cylindrical or conical surfaces

DATE: FEBRUARY 1, 2019

PROJECT RP0568

B29C 48/69

Definition statement

This place covers:

Filters to prevent contaminants in the melt from reaching the nozzle and ending up in the finished product

References

Informative References

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

Injection moulding cleaning equipment	B29C 45/24
Sealings for filters	B29C 48/2545
Flow control, e.g. valves in proximity to filters	B29C 48/2554
Cleaning or purging	B29C 48/2725
Filters in general	B01D 29/00
Changing filters	B01D 35/12
Filtering liquids in general	B01D 39/00
Condition, form or state of moulded materials, containing impurities	B29K 2105/065

DATE: FEBRUARY 1, 2019

PROJECT RP0568

B29C 48/70

Definition statement

This place covers:

Divided melts merging before the die zone

References

Informative References

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

Static mixers, e.g. breaker plates in the end of the plastizising unit	B29C 48/362
Non-actuated dynamic mixing devices, e.g. free rotating mixing elements	B29C 48/363
Flow division and recombination for layer multiplication	B29C 48/71

B29C 48/705

Definition statement

This place covers:

Divided melts merging in the die zone

References

Informative References

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

Flow division and recombination for layer multiplication	B29C 48/71
--	----------------------------

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B29C 48/72

Definition statement

This place covers:

Melt flow feed-back means, i.e. a part of the melt is fed back into the extruder line when still molten

References

Informative References

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

Feed-back in the sense of measuring/controlling/regulating
--

B29C 48/92

B29C 48/74

Definition statement

This place covers:

Part of the melt by-passes a part of the extruder to re-enter at a later stage

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B29C 48/76

Definition statement

This place covers:

Steam, gas or vapour arising during heating and melting of the material is let out of the extruder in a controlled manner

References

Informative References

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

Venting or degassing means during injection moulding	B29C 45/63
Flow control by valves	B29C 48/2552
Explicit throttling	B29C 48/268
Venting or degassing during mixing or kneading	B29B 7/84

B29C 48/762

Definition statement

This place covers:

Removing a component, e.g. by adding a second component binding to the first component

B29C 48/763

Definition statement

This place covers:

For example, means for improving venting

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B29C 48/765

Definition statement

This place covers:

For example, venting of the melt in a gear pump or in a separate venting chamber

B29C 48/766

Definition statement

This place covers:

For example, venting through a screw, a screw bearing or a feed inlet

B29C 48/78

References

Informative References

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

Raw material pretreatment	B29C 48/287
Conditioning or physical pre-treatment of a material to be shaped	B29B 13/00
Pre-treatment of a material to be shaped in general	B29B 15/00

B29C 48/88

Definition statement

This place covers:

Heating or cooling of the material having left the extruder nozzle

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B29C 48/90

Definition statement

This place covers:

Finalising shaping of the article while cooling takes place to correct for warp and shrinking

B29C 48/902

References

Informative References

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

Shaping by stretching of blown tubular films using internal mechanical means, e.g. mandrel
--

B29C 55/285

B29C 48/914

References

Informative References

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

Moulds and cores with heating or cooling means in rolls, calenders or drums

B29C 33/044

B29C 48/919

Definition statement

This place covers:

For example, using a bath for coagulatable material

B29C 48/92

References

Informative References

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

Design of extruder parts, e.g. by modelling based on mathematical theories or experiments	B29C 48/251
Measuring, controlling or regulating in general	G01
Taking samples	G01N 1/2035
Adaptive control, learning, e.g. fuzzy logic	G05B 13/0265

Special rules of classification

For all documents to be classified in [B29C 48/92](#) for inventive or additional information, all measuring and controlling aspects therein must be identified by adding the relevant codes in the [B29C2948/92](#) indexing scheme.

In case of classification in the [B29C2948/92](#) indexing scheme, the allocation of [B29C 48/92](#) as additional information is optional.

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B29C 48/94

Definition statement

This place covers:

Using internal lubrication, e.g. adding a plasticiser, or using external lubrication, e.g. adding a film of lubricating material in the interface between the melt and the extruder, die, calibrator or conveyor.

References

Informative References

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

Lubricating for moulds or cores in general	B29C 33/56
Lubricating means for injection moulding	B29C 45/83
Moulding materials containing plasticisers	B29K 2105/0038
Liquid or viscous moulding materials	B29K 2105/0058
Moulding materials having a particular viscosity	B29K 2105/0094

Special rules of classification

Materials and coatings for calibrators are classified in the same groups as for dies, [B29C 48/3001](#), [B29C 48/3003](#)

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2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
B29C47/00	Entire definition		<u>Delete</u> the entire definition
B29C47/0002	Entire definition		<u>Delete</u> the entire definition
B29C47/0004	Entire definition		<u>Delete</u> the entire definition
B29C47/0007	Entire definition		<u>Delete</u> the entire definition
B29C47/0009	Entire definition		<u>Delete</u> the entire definition
B29C47/0011	Entire definition		<u>Delete</u> the entire definition
B29C47/0014	Entire definition		<u>Delete</u> the entire definition
B29C47/0016	Entire definition		<u>Delete</u> the entire definition
B29C47/0019	Entire definition		<u>Delete</u> the entire definition
B29C47/0021	Entire definition		<u>Delete</u> the entire definition
B29C47/0023	Entire definition		<u>Delete</u> the entire definition
B29C47/0026	Entire definition		<u>Delete</u> the entire definition
B29C47/0028	Entire definition		<u>Delete</u> the entire definition
B29C47/003	Entire definition		<u>Delete</u> the entire definition
B29C47/0033	Entire definition		<u>Delete</u> the entire definition
B29C47/0035	Entire definition		<u>Delete</u> the entire definition
B29C47/0047	Entire definition		<u>Delete</u> the entire definition
B29C47/005	Entire definition		<u>Delete</u> the entire definition
B29C47/0052	Entire definition		<u>Delete</u> the entire definition
B29C47/0054	Entire definition		<u>Delete</u> the entire definition
B29C47/0057	Entire definition		<u>Delete</u> the entire definition
B29C47/0059	Entire definition		<u>Delete</u> the entire definition
B29C47/0066	Entire definition		<u>Delete</u> the entire definition
B29C47/0069	Entire definition		<u>Delete</u> the entire definition
B29C47/0071	Entire definition		<u>Delete</u> the entire definition
B29C47/0076	Entire definition		<u>Delete</u> the entire definition
B29C47/02	Entire definition		<u>Delete</u> the entire definition
B29C47/043	Entire definition		<u>Delete</u> the entire definition
B29C47/046	Entire definition		<u>Delete</u> the entire definition
B29C47/06	Entire definition		<u>Delete</u> the entire definition
B29C47/061	Entire definition		<u>Delete</u> the entire definition
B29C47/062	Entire definition		<u>Delete</u> the entire definition
B29C47/064	Entire definition		<u>Delete</u> the entire definition
B29C47/065	Entire definition		<u>Delete</u> the entire definition
B29C47/067	Entire definition		<u>Delete</u> the entire definition
B29C47/068	Entire definition		<u>Delete</u> the entire definition
B29C47/0801	Entire definition		<u>Delete</u> the entire definition
B29C47/0806	Entire definition		<u>Delete</u> the entire definition
B29C47/0811	Entire definition		<u>Delete</u> the entire definition
B29C47/0818	Entire definition		<u>Delete</u> the entire definition

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B29C47/60	Entire definition		<u>Delete</u> the entire definition
B29C47/6075	Entire definition		<u>Delete</u> the entire definition
B29C47/6087	Entire definition		<u>Delete</u> the entire definition
B29C47/66	Entire definition		<u>Delete</u> the entire definition
B29C47/665	Entire definition		<u>Delete</u> the entire definition
B29C47/68	Entire definition		<u>Delete</u> the entire definition
B29C47/70	Entire definition		<u>Delete</u> the entire definition
B29C47/702	Entire definition		<u>Delete</u> the entire definition
B29C47/705	Entire definition		<u>Delete</u> the entire definition
B29C47/72	Entire definition		<u>Delete</u> the entire definition
B29C47/74	Entire definition		<u>Delete</u> the entire definition
B29C47/76	Entire definition		<u>Delete</u> the entire definition
B29C47/762	Entire definition		<u>Delete</u> the entire definition
B29C47/763	Entire definition		<u>Delete</u> the entire definition
B29C47/765	Entire definition		<u>Delete</u> the entire definition
B29C47/766	Entire definition		<u>Delete</u> the entire definition
B29C47/78	Entire definition		<u>Delete</u> the entire definition
B29C47/88	Entire definition		<u>Delete</u> the entire definition
B29C47/8845	Entire definition		<u>Delete</u> the entire definition
B29C47/8895	Entire definition		<u>Delete</u> the entire definition
B29C47/90	Entire definition		<u>Delete</u> the entire definition
B29C47/902	Entire definition		<u>Delete</u> the entire definition
B29C47/92	Entire definition		<u>Delete</u> the entire definition
B29C47/94	Entire definition		<u>Delete</u> the entire definition

NOTES:

- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.

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3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	B29C 47/00	<administrative transfer to B29C48/00>
D	B29C 47/0002	<administrative transfer to B29C 48/02>
D	B29C 47/0004	<administrative transfer to B29C 48/022>
D	B29C 47/0007	<administrative transfer to B29C 48/023>
D	B29C 47/0009	<administrative transfer to B29C 48/03>
D	B29C 47/0011	<administrative transfer to B29C 48/04>
D	B29C 47/0014	<administrative transfer to B29C 48/05>
D	B29C 47/0016	<administrative transfer to B29C 48/06>
D	B29C 47/0019	<administrative transfer to B29C 48/07>
D	B29C 47/0021	<administrative transfer to B29C 48/08>
D	B29C 47/0023	<administrative transfer to B29C 48/09>
D	B29C 47/0026	<administrative transfer to B29C 48/10>
D	B29C 47/0028	<administrative transfer to B29C 48/11>
D	B29C 47/003	<administrative transfer to B29C 48/12>
D	B29C 47/0033	<administrative transfer to B29C 48/13>
D	B29C 47/0035	<administrative transfer to B29C 48/131>
D	B29C 47/0038	<administrative transfer to B29C 48/001>
D	B29C 47/004	<administrative transfer to B29C 48/0011>
D	B29C 47/0042	<administrative transfer to B29C 48/0012>
D	B29C 47/0045	<administrative transfer to B29C 48/0013>
D	B29C 47/0047	<administrative transfer to B29C 48/0014>
D	B29C 47/005	<administrative transfer to B29C 48/0015>
D	B29C 47/0052	<administrative transfer to B29C 48/0016>

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	B29C 47/0054	<administrative transfer to B29C 48/0017>
D	B29C 47/0057	<administrative transfer to B29C 48/0018>
D	B29C 47/0059	<administrative transfer to B29C 48/0019>
D	B29C 47/0061	<administrative transfer to B29C 48/002>
D	B29C 47/0064	<administrative transfer to B29C 48/0021>
D	B29C 47/0066	<administrative transfer to B29C 48/0022>
D	B29C 47/0069	<administrative transfer to B29C 48/0023>
D	B29C 47/0071	<administrative transfer to B29C 48/14>
D	B29C 47/0073	<administrative transfer to B29C 48/141>
D	B29C 47/0076	<administrative transfer to B29C 48/142>
D	B29C 47/0078	<administrative transfer to B29C 48/143>
D	B29C 47/008	<administrative transfer to B29C 48/144>
D	B29C 47/0083	<administrative transfer to B29C 48/145>
D	B29C 47/0085	<administrative transfer to B29C 48/146>
D	B29C 47/0088	<administrative transfer to B29C 48/147>
D	B29C 47/009	<administrative transfer to B29C 48/1472>
D	B29C 47/0092	<administrative transfer to B29C 48/1474>
D	B29C 47/0095	<administrative transfer to B29C 48/1476>
D	B29C 47/0097	<administrative transfer to B29C 48/1478>
D	B29C 47/02	<administrative transfer to B29C 48/15>
D	B29C 47/021	<administrative transfer to B29C 48/151>
D	B29C 47/022	<administrative transfer to B29C 48/152>
D	B29C 47/023	<administrative transfer to B29C 48/153>
D	B29C 47/025	<administrative transfer to B29C 48/154>
D	B29C 47/026	<administrative transfer to B29C 48/155>

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	B29C 47/027	<administrative transfer to B29C 48/156>
D	B29C 47/028	<administrative transfer to B29C 48/157>
D	B29C 47/04	<administrative transfer to B29C 48/16>
D	B29C 47/043	<administrative transfer to B29C 48/17>
D	B29C 47/046	<administrative transfer to B29C 48/175>
D	B29C 47/06	<administrative transfer to B29C 48/18>
D	B29C 47/061	<administrative transfer to B29C 48/185>
D	B29C 47/062	<administrative transfer to B29C 48/19>
D	B29C 47/064	<administrative transfer to B29C 48/19 and B29C 48/20 simultaneously>
D	B29C 47/065	<administrative transfer to B29C 48/21>
D	B29C 47/067	<administrative transfer to B29C 48/22>
D	B29C 47/068	<administrative transfer to B29C 48/23>
D	B29C 47/08	<administrative transfer to B29C 48/25>
D	B29C 47/0801	<administrative transfer to B29C 48/252>
D	B29C 47/0803	<administrative transfer to B29C 48/2522>
D	B29C 47/0805	<administrative transfer to B29C 48/2526>
D	B29C 47/0806	<administrative transfer to B29C 48/2528>
D	B29C 47/0808	<administrative transfer to B29C 48/254>
D	B29C 47/081	<administrative transfer to B29C 48/2545>
D	B29C 47/0811	<administrative transfer to B29C 48/255>
D	B29C 47/0813	<administrative transfer to B29C 48/2552 >
D	B29C 47/0815	<administrative transfer to B29C 48/2554>
D	B29C 47/0816	<administrative transfer to B29C 48/2556>
D	B29C 47/0818	<administrative transfer to B29C 48/256>

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	B29C 47/082	<administrative transfer to B29C 48/2561>
D	B29C 47/0822	<administrative transfer to B29C 48/2562>
D	B29C 47/0823	<administrative transfer to B29C 48/2563>
D	B29C 47/0825	<administrative transfer to B29C 48/2564>
D	B29C 47/0827	<administrative transfer to B29C 48/2565>
D	B29C 47/0828	<administrative transfer to B29C 48/2566>
D	B29C 47/083	<administrative transfer to B29C 48/2567>
D	B29C 47/0832	<administrative transfer to B29C 48/2568>
D	B29C 47/0833	<administrative transfer to B29C 48/25682>
D	B29C 47/0835	<administrative transfer to B29C 48/25684>
D	B29C 47/0837	<administrative transfer to B29C 48/25686>
D	B29C 47/0838	<administrative transfer to B29C 48/025>
D	B29C 47/084	<administrative transfer to B29C 48/0255>
D	B29C 47/0842	<administrative transfer to B29C 48/503>
D	B29C 47/0844	<administrative transfer to B29C 48/507>
D	B29C 47/0845	<administrative transfer to B29C 48/509>
D	B29C 47/0847	<administrative transfer to B29C 48/6801>
D	B29C 47/0849	<administrative transfer to B29C 48/6803>
D	B29C 47/085	<administrative transfer to B29C 48/3001 and B29C 48/30 simultaneously>
D	B29C 47/0852	<administrative transfer to B29C 48/3003 and B29C 48/30 simultaneously>
D	B29C 47/0854	<administrative transfer to B29C 48/251>
D	B29C 47/0855	<administrative transfer to B29C 48/2511>
D	B29C 47/0857	<administrative transfer to B29C 48/2513>
D	B29C 47/0859	<administrative transfer to B29C 48/2515>

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	B29C 47/0861	<administrative transfer to B29C 48/2517>
D	B29C 47/0862	<administrative transfer to B29C 48/2519>
D	B29C 47/0864	<administrative transfer to B29C 48/265>
D	B29C 47/0866	<administrative transfer to B29C 48/266>
D	B29C 47/0867	<administrative transfer to B29C 48/2665>
D	B29C 47/0869	<administrative transfer to B29C 48/267>
D	B29C 47/0871	<administrative transfer to B29C 48/268>
D	B29C 47/0872	<administrative transfer to B29C 48/269>
D	B29C 47/0874	<administrative transfer to B29C 48/2692>
D	B29C 47/0876	<administrative transfer to B29C 48/2694>
D	B29C 47/0877	<administrative transfer to B29C 48/27>
D	B29C 47/0879	<administrative transfer to B29C 48/271>
D	B29C 47/0881	<administrative transfer to B29C 48/2715>
D	B29C 47/0883	<administrative transfer to B29C 48/272>
D	B29C 47/0884	<administrative transfer to B29C 48/2725>
D	B29C 47/0886	<administrative transfer to B29C 48/273>
D	B29C 47/0888	<administrative transfer to B29C 48/2735>
D	B29C 47/0889	<administrative transfer to B29C 48/274>
D	B29C 47/0891	<administrative transfer to B29C 48/275>
D	B29C 47/0893	<administrative transfer to B29C 48/276>
D	B29C 47/0894	<administrative transfer to B29C 48/277>
D	B29C 47/0896	<administrative transfer to B29C 48/278>
D	B29C 47/0898	<administrative transfer to B29C 48/28>
D	B29C 47/10	<administrative transfer to B29C 48/285>
D	B29C 47/1009	<administrative transfer to B29C 48/286>

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	B29C 47/1018	<administrative transfer to B29C 48/287>
D	B29C 47/1027	<administrative transfer to B29C 48/288>
D	B29C 47/1036	<administrative transfer to B29C 48/2883>
D	B29C 47/1045	<administrative transfer to B29C 48/2886>
D	B29C 47/1054	<administrative transfer to B29C 48/2888>
D	B29C 47/1063	<administrative transfer to B29C 48/29>
D	B29C 47/1072	<administrative transfer to B29C 48/295>
D	B29C 47/1081	<administrative transfer to B29C 48/297>
D	B29C 47/109	<administrative transfer to B29C 48/298>
D	B29C 47/12	<administrative transfer to B29C 48/30>
D	B29C 47/122	<administrative transfer to B29C 48/301 and B29C 48/30 simultaneously>
D	B29C 47/124	<administrative transfer to B29C 48/302 and B29C 48/30 simultaneously>
D	B29C 47/126	<administrative transfer to B29C 48/303 and B29C 48/30 simultaneously>
D	B29C 47/128	<administrative transfer to B29C 48/304 and B29C 48/30 simultaneously>
D	B29C 47/14	<administrative transfer to B29C 48/305 and B29C 48/30 simultaneously>
D	B29C 47/145	<administrative transfer to B29C 48/307 and B29C 48/30 simultaneously>
D	B29C 47/16	<administrative transfer to B29C 48/31 and B29C 48/30 simultaneously>
D	B29C 47/165	<administrative transfer to B29C 48/313 and B29C 48/30 simultaneously>
D	B29C 47/18	<administrative transfer to B29C 48/315 and B29C 48/30 simultaneously>
D	B29C 47/20	<administrative transfer to B29C 48/32 and B29C 48/30 simultaneously>

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	B29C 47/22	<administrative transfer to B29C 48/325 and B29C 48/30 simultaneously>
D	B29C 47/225	<administrative transfer to B29C 48/327 and B29C 48/30 simultaneously>
D	B29C 47/24	<administrative transfer to B29C 48/33 and B29C 48/30 simultaneously>
D	B29C 47/26	<administrative transfer to B29C 48/335 and B29C 48/30 simultaneously>
D	B29C 47/261	<administrative transfer to B29C 48/336 and B29C 48/30 simultaneously>
D	B29C 47/263	<administrative transfer to B29C 48/3363 and B29C 48/30 simultaneously>
D	B29C 47/265	<administrative transfer to B29C 48/3366 and B29C 48/30 simultaneously>
D	B29C 47/266	<administrative transfer to B29C 48/337 and B29C 48/30 simultaneously>
D	B29C 47/268	<administrative transfer to B29C 48/338 and B29C 48/30 simultaneously>
D	B29C 47/28	<administrative transfer to B29C 48/34 and B29C 48/30 simultaneously>
D	B29C 47/30	<administrative transfer to B29C 48/345 and B29C 48/30 simultaneously>
D	B29C 47/32	<administrative transfer to B29C 48/35 and B29C 48/30 simultaneously>
D	B29C 47/34	<administrative transfer to B29C 48/355>
D	B29C 47/36	<administrative transfer to B29C 48/36>
D	B29C 47/361	<administrative transfer to B29C 48/361>
D	B29C 47/362	<administrative transfer to B29C 48/362>
D	B29C 47/363	<administrative transfer to B29C 48/363>
D	B29C 47/364	<administrative transfer to B29C 48/37>
D	B29C 47/365	<administrative transfer to B29C 48/375>

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	B29C 47/366	<administrative transfer to B29C 48/385>
D	B29C 47/367	<administrative transfer to B29C 48/387>
D	B29C 47/368	<administrative transfer to B29C 48/388>
D	B29C 47/369	<administrative transfer to B29C 48/39>
D	B29C 47/38	<administrative transfer to B29C 48/395>
D	B29C 47/385	<administrative transfer to B29C 48/397>
D	B29C 47/40	<administrative transfer to B29C 48/40>
D	B29C 47/402	<administrative transfer to B29C 48/402>
D	B29C 47/404	<administrative transfer to B29C 48/404>
D	B29C 47/406	<administrative transfer to B29C 48/42>
D	B29C 47/408	<administrative transfer to B29C 48/425>
D	B29C 47/42	<administrative transfer to B29C 48/425 and B29C 48/435 simultaneously>
D	B29C 47/44	<administrative transfer to B29C 48/45>
D	B29C 47/46	<administrative transfer to B29C 48/455>
D	B29C 47/48	<administrative transfer to B29C 48/445>
D	B29C 47/50	<administrative transfer to B29C 48/38>
D	B29C 47/52	<administrative transfer to B29C 48/46>
D	B29C 47/522	<administrative transfer to B29C 48/465>
D	B29C 47/525	<administrative transfer to B29C 48/467>
D	B29C 47/527	<administrative transfer to B29C 48/468>
D	B29C 47/54	<administrative transfer to B29C 48/475>
D	B29C 47/56	<administrative transfer to B29C 48/49>
D	B29C 47/58	<administrative transfer to B29C 48/50>
D	B29C 47/585	<administrative transfer to B29C 48/501>

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	B29C 47/60	<administrative transfer to B29C 48/505>
D	B29C 47/6006	<administrative transfer to B29C 48/51>
D	B29C 47/6012	<administrative transfer to B29C 48/52>
D	B29C 47/6018	<administrative transfer to B29C 48/53>
D	B29C 47/6025	<administrative transfer to B29C 48/535>
D	B29C 47/6031	<administrative transfer to B29C 48/54>
D	B29C 47/6037	<administrative transfer to B29C 48/55>
D	B29C 47/6043	<administrative transfer to B29C 48/56>
D	B29C 47/605	<administrative transfer to B29C 48/565>
D	B29C 47/6056	<administrative transfer to B29C 48/57>
D	B29C 47/6062	<administrative transfer to B29C 48/575>
D	B29C 47/6068	<administrative transfer to B29C 48/585>
D	B29C 47/6075	<administrative transfer to B29C 48/59>
D	B29C 47/6081	<administrative transfer to B29C 48/62>
D	B29C 47/6087	<administrative transfer to B29C 48/625>
D	B29C 47/6093	<administrative transfer to B29C 48/63>
D	B29C 47/62	<administrative transfer to B29C 48/64>
D	B29C 47/622	<administrative transfer to B29C 48/645>
D	B29C 47/625	<administrative transfer to B29C 48/65>
D	B29C 47/627	<administrative transfer to B29C 48/655>
D	B29C 47/64	<administrative transfer to B29C 48/67>
D	B29C 47/66	<administrative transfer to B29C 48/68>
D	B29C 47/661	<administrative transfer to B29C 48/681>
D	B29C 47/662	<administrative transfer to B29C 48/682>
D	B29C 47/663	<administrative transfer to B29C 48/683>

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	B29C 47/664	<administrative transfer to B29C 48/684>
D	B29C 47/665	<administrative transfer to B29C 48/685>
D	B29C 47/666	<administrative transfer to B29C 48/686>
D	B29C 47/667	<administrative transfer to B29C 48/687>
D	B29C 47/668	<administrative transfer to B29C 48/688>
D	B29C 47/68	<administrative transfer to B29C 48/69>
D	B29C 47/681	<administrative transfer to B29C 48/691>
D	B29C 47/682	<administrative transfer to B29C 48/6912>
D	B29C 47/683	<administrative transfer to B29C 48/6914>
D	B29C 47/684	<administrative transfer to B29C 48/6916>
D	B29C 47/685	<administrative transfer to B29C 48/692>
D	B29C 47/686	<administrative transfer to B29C 48/693>
D	B29C 47/687	<administrative transfer to B29C 48/694>
D	B29C 47/688	<administrative transfer to B29C 48/6945>
D	B29C 47/70	<administrative transfer to B29C 48/695>
D	B29C 47/702	<administrative transfer to B29C 48/70>
D	B29C 47/705	<administrative transfer to B29C 48/705>
D	B29C 47/707	<administrative transfer to B29C 48/255 and B29C 48/71 simultaneously>
D	B29C 47/72	<administrative transfer to B29C 48/72>
D	B29C 47/725	<administrative transfer to B29C 48/725>
D	B29C 47/74	<administrative transfer to B29C 48/74>
D	B29C 47/745	<administrative transfer to B29C 48/745>
D	B29C 47/76	<administrative transfer to B29C 48/76>
D	B29C 47/761	<administrative transfer to B29C 48/761>

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	B29C 47/762	<administrative transfer to B29C 48/762>
D	B29C 47/763	<administrative transfer to B29C 48/763>
D	B29C 47/765	<administrative transfer to B29C 48/765>
D	B29C 47/766	<administrative transfer to B29C 48/766>
D	B29C 47/767	<administrative transfer to B29C 48/767>
D	B29C 47/768	<administrative transfer to B29C 48/768>
D	B29C 47/78	<administrative transfer to B29C 48/78>
D	B29C 47/782	<administrative transfer to B29C 48/79>
D	B29C 47/784	<administrative transfer to B29C 48/793>
D	B29C 47/786	<administrative transfer to B29C 48/793>
D	B29C 47/788	<administrative transfer to B29C 48/797>
D	B29C 47/80	<administrative transfer to B29C 48/80>
D	B29C 47/802	<administrative transfer to B29C 48/802>
D	B29C 47/805	<administrative transfer to B29C 48/82>
D	B29C 47/807	<administrative transfer to B29C 48/875>
D	B29C 47/82	<administrative transfer to B29C 48/83>
D	B29C 47/822	<administrative transfer to B29C 48/832>
D	B29C 47/825	<administrative transfer to B29C 48/834>
D	B29C 47/827	<administrative transfer to B29C 48/875>
D	B29C 47/84	<administrative transfer to B29C 48/84 and B29C 48/82 simultaneously>
D	B29C 47/842	<administrative transfer to B29C 48/845 and B29C 48/82 simultaneously>
D	B29C 47/845	<administrative transfer to B29C 48/85 and B29C 48/82 simultaneously>
D	B29C 47/847	<administrative transfer to B29C 48/875>

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	B29C 47/86	<administrative transfer to B29C 48/86>
D	B29C 47/862	<administrative transfer to B29C 48/865>
D	B29C 47/864	<administrative transfer to B29C 48/87>
D	B29C 47/866	<administrative transfer to B29C 48/872>
D	B29C 47/868	<administrative transfer to B29C 48/873>
D	B29C 47/88	<administrative transfer to B29C 48/88>
D	B29C 47/8805	<administrative transfer to B29C 48/91>
D	B29C 47/881	<administrative transfer to B29C 48/9105>
D	B29C 47/8815	<administrative transfer to B29C 48/911>
D	B29C 47/882	<administrative transfer to B29C 48/9115>
D	B29C 47/8825	<administrative transfer to B29C 48/912>
D	B29C 47/883	<administrative transfer to B29C 48/9125>
D	B29C 47/8835	<administrative transfer to B29C 48/913>
D	B29C 47/884	<administrative transfer to B29C 48/9135>
D	B29C 47/8845	<administrative transfer to B29C 48/914>
D	B29C 47/885	<administrative transfer to B29C 48/9145>
D	B29C 47/8855	<administrative transfer to B29C 48/915>
D	B29C 47/886	<administrative transfer to B29C 48/9155>
D	B29C 47/8865	<administrative transfer to B29C 48/916>
D	B29C 47/887	<administrative transfer to B29C 48/9165>
D	B29C 47/8875	<administrative transfer to B29C 48/917>
D	B29C 47/888	<administrative transfer to B29C 48/9175>
D	B29C 47/8885	<administrative transfer to B29C 48/918>
D	B29C 47/889	<administrative transfer to B29C 48/9185>
D	B29C 47/8895	<administrative transfer to B29C 48/919>

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	B29C 47/90	<administrative transfer to B29C 48/90>
D	B29C 47/901	<administrative transfer to B29C 48/901>
D	B29C 47/902	<administrative transfer to B29C 48/902>
D	B29C 47/903	<administrative transfer to B29C 48/903>
D	B29C 47/904	<administrative transfer to B29C 48/904>
D	B29C 47/905	<administrative transfer to B29C 48/905>
D	B29C 47/906	<administrative transfer to B29C 48/906>
D	B29C 47/907	<administrative transfer to B29C 48/907>
D	B29C 47/908	<administrative transfer to B29C 48/908>
D	B29C 47/92	<administrative transfer to B29C 48/92>
D	B29C 47/94	<administrative transfer to B29C 48/94>
D	B29C 47/96	<administrative transfer to B29C 48/96>
D	B29C 47/965	<administrative transfer to B29C 48/965>
Q	B29C 48/255	B29C 48/255, B29C 48/695, B29C 48/70, B29C 48/705, B29C 48/71, B29C 48/16, B29C 48/17, B29C 48/175, B29C 48/18, B29C 48/185, B29C 48/19, B29C 48/20, B29C 48/21, B29C 48/22, B29C 48/23
Q	B29C 48/28	B29C 48/28, B29C 48/355
Q	B29C 48/30	B29C 48/30, B29C 48/03, B29C 48/04, B29C 48/05, B29C 48/06, B29C 48/07, B29C 48/08, B29C 48/09, B29C 48/10, B29C 48/11, B29C 48/12, B29C 48/13, B29C 48/131
Q	B29C 48/36	B29C 48/36, B29C 48/365
Q	B29C 48/40	B29C 48/40, B29C 48/405, B29C 48/41, B29C 48/415
Q	B29C 48/425	B29C 48/425, B29C 48/38, B29C 48/385, B29C 48/43, B29C 48/435, B29C 48/44

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
Q	B29C 48/46	B29C 48/46, B29C 48/47
Q	B29C 48/475	B29C 48/475, B29C 48/48, B29C 48/485
Q	B29C 48/49	B29C 48/49, B29C 48/495, B29C 48/16, B29C 48/17, B29C 48/175, B29C 48/18, B29C 48/185, B29C 48/19, B29C 48/20, B29C 48/21, B29C 48/22, B29C 48/23
Q	B29C 48/505	B29C 48/505, B29C 48/58, B29C 48/635
Q	B29C 48/51	B29C 48/51, B29C 48/515
Q	B29C 48/52	B29C 48/52, B29C 48/525
Q	B29C 48/59	B29C 48/59, B29C 48/595, B29C 48/60, B29C 48/605, B29C 48/61, B29C 48/615
Q	B29C 48/64	B29C 48/64, B29C 48/66
Q	B29C 48/691	B29C 48/691, B29C 48/693, B29C 48/694
Q	B29C 48/82	B29C 48/82, B29C 48/84, B29C48/845, B29C 48/85, B29C 48/515
Q	B29C 48/88	B29C 48/88, B29C 48/885, B29C 48/89
Q	B29C 48/94	B29C 48/94, B29C 48/95
D	B29C2947/00	<administrative transfer to B29C2948/00>
D	B29C2947/92	<administrative transfer to B29C2948/92>
D	B29C2947/92009	<administrative transfer to B29C2948/92009>
D	B29C2947/92019	<administrative transfer to B29C2948/92019>
D	B29C2947/92028	<administrative transfer to B29C2948/92028>
D	B29C2947/92038	<administrative transfer to B29C2948/92038>
D	B29C2947/92047	<administrative transfer to B29C2948/92047>
D	B29C2947/92057	<administrative transfer to B29C2948/92057>
D	B29C2947/92066	<administrative transfer to B29C2948/92066>
D	B29C2947/92076	<administrative transfer to B29C2948/92076>
D	B29C2947/92085	<administrative transfer to B29C2948/92085>
D	B29C2947/92095	<administrative transfer to B29C2948/92095>

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	B29C2947/92104	<administrative transfer to B29C2948/92104>
D	B29C2947/92114	<administrative transfer to B29C2948/92114>
D	B29C2947/92123	<administrative transfer to B29C2948/92123>
D	B29C2947/92133	<administrative transfer to B29C2948/92133>
D	B29C2947/92142	<administrative transfer to B29C2948/92142>
D	B29C2947/92152	<administrative transfer to B29C2948/92152>
D	B29C2947/92161	<administrative transfer to B29C2948/92161>
D	B29C2947/92171	<administrative transfer to B29C2948/92171>
D	B29C2947/9218	<administrative transfer to B29C2948/9218>
D	B29C2947/9219	<administrative transfer to B29C2948/9219>
D	B29C2947/922	<administrative transfer to B29C2948/922>
D	B29C2947/92209	<administrative transfer to B29C2948/92209>
D	B29C2947/92219	<administrative transfer to B29C2948/92219>
D	B29C2947/92228	<administrative transfer to B29C2948/92228>
D	B29C2947/92238	<administrative transfer to B29C2948/92238>
D	B29C2947/92247	<administrative transfer to B29C2948/92247>
D	B29C2947/92257	<administrative transfer to B29C2948/92257>
D	B29C2947/92266	<administrative transfer to B29C2948/92266>
D	B29C2947/92276	<administrative transfer to B29C2948/92276>
D	B29C2947/92285	<administrative transfer to B29C2948/92285>
D	B29C2947/92295	<administrative transfer to B29C2948/92295>
D	B29C2947/92304	<administrative transfer to B29C2948/92304>
D	B29C2947/92314	<administrative transfer to B29C2948/92314>
D	B29C2947/92323	<administrative transfer to B29C2948/92323>
D	B29C2947/92333	<administrative transfer to B29C2948/92333>

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	B29C2947/92342	<administrative transfer to B29C2948/92342>
D	B29C2947/92352	<administrative transfer to B29C2948/92352>
D	B29C2947/92361	<administrative transfer to B29C2948/92361>
D	B29C2947/92371	<administrative transfer to B29C2948/92371>
D	B29C2947/9238	<administrative transfer to B29C2948/9238>
D	B29C2947/9239	<administrative transfer to B29C2948/9239>
D	B29C2947/924	<administrative transfer to B29C2948/924>
D	B29C2947/92409	<administrative transfer to B29C2948/92409>
D	B29C2947/92419	<administrative transfer to B29C2948/92419>
D	B29C2947/92428	<administrative transfer to B29C2948/92428>
D	B29C2947/92438	<administrative transfer to B29C2948/92438>
D	B29C2947/92447	<administrative transfer to B29C2948/92447>
D	B29C2947/92457	<administrative transfer to B29C2948/92457>
D	B29C2947/92466	<administrative transfer to B29C2948/92466>
D	B29C2947/92476	<administrative transfer to B29C2948/92476>
D	B29C2947/92485	<administrative transfer to B29C2948/92485>
D	B29C2947/92495	<administrative transfer to B29C2948/92495>
D	B29C2947/92504	<administrative transfer to B29C2948/92504>
D	B29C2947/92514	<administrative transfer to B29C2948/92514>
D	B29C2947/92523	<administrative transfer to B29C2948/92523>
D	B29C2947/92533	<administrative transfer to B29C2948/92533>
D	B29C2947/92542	<administrative transfer to B29C2948/92542>
D	B29C2947/92552	<administrative transfer to B29C2948/92552>
D	B29C2947/92561	<administrative transfer to B29C2948/92561>
D	B29C2947/92571	<administrative transfer to B29C2948/92571>

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	B29C2947/9258	<administrative transfer to B29C2948/9258>
D	B29C2947/9259	<administrative transfer to B29C2948/9259>
D	B29C2947/926	<administrative transfer to B29C2948/926>
D	B29C2947/92609	<administrative transfer to B29C2948/92609>
D	B29C2947/92619	<administrative transfer to B29C2948/92619>
D	B29C2947/92628	<administrative transfer to B29C2948/92628>
D	B29C2947/92638	<administrative transfer to B29C2948/92638>
D	B29C2947/92647	<administrative transfer to B29C2948/92647>
D	B29C2947/92657	<administrative transfer to B29C2948/92657>
D	B29C2947/92666	<administrative transfer to B29C2948/92666>
D	B29C2947/92676	<administrative transfer to B29C2948/92676>
D	B29C2947/92685	<administrative transfer to B29C2948/92685>
D	B29C2947/92695	<administrative transfer to B29C2948/92695>
D	B29C2947/92704	<administrative transfer to B29C2948/92704>
D	B29C2947/92714	<administrative transfer to B29C2948/92714>
D	B29C2947/92723	<administrative transfer to B29C2948/92723>
D	B29C2947/92733	<administrative transfer to B29C2948/92733>
D	B29C2947/92742	<administrative transfer to B29C2948/92742>
D	B29C2947/92752	<administrative transfer to B29C2948/92752>
D	B29C2947/92761	<administrative transfer to B29C2948/92761>
D	B29C2947/92771	<administrative transfer to B29C2948/92771>
D	B29C2947/9278	<administrative transfer to B29C2948/9278>
D	B29C2947/9279	<administrative transfer to B29C2948/9279>
D	B29C2947/928	<administrative transfer to B29C2948/928>
D	B29C2947/92809	<administrative transfer to B29C2948/92809>

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	B29C2947/92819	<administrative transfer to B29C2948/92819>
D	B29C2947/92828	<administrative transfer to B29C2948/92828>
D	B29C2947/92838	<administrative transfer to B29C2948/92838>
D	B29C2947/92847	<administrative transfer to B29C2948/92847>
D	B29C2947/92857	<administrative transfer to B29C2948/92857>
D	B29C2947/92866	<administrative transfer to B29C2948/92866>
D	B29C2947/92876	<administrative transfer to B29C2948/92876>
D	B29C2947/92885	<administrative transfer to B29C2948/92885>
D	B29C2947/92895	<administrative transfer to B29C2948/92895>
D	B29C2947/92904	<administrative transfer to B29C2948/92904>
D	B29C2947/92914	<administrative transfer to B29C2948/92914>
D	B29C2947/92923	<administrative transfer to B29C2948/92923>
D	B29C2947/92933	<administrative transfer to B29C2948/92933>
D	B29C2947/92942	<administrative transfer to B29C2948/92942>
D	B29C2947/92952	<administrative transfer to B29C2948/92952>
D	B29C2947/92961	<administrative transfer to B29C2948/92961>
D	B29C2947/92971	<administrative transfer to B29C2948/92971>
D	B29C2947/9298	<administrative transfer to B29C2948/9298>
D	B29C2947/9299	<administrative transfer to B29C2948/9299>

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:

- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.

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- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“To”) symbol, however it is required to specify “<no transfer>” in the “To” column for such cases.
- RCL is not needed for finalisation projects.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 47/00		DELETE
B29C 47/0002		DELETE
B29C 47/0004		DELETE
B29C 47/0007		DELETE
B29C 47/0009		DELETE
B29C 47/0011		DELETE
B29C 47/0014		DELETE
B29C 47/0016		DELETE
B29C 47/0019		DELETE
B29C 47/0021		DELETE
B29C 47/0023		DELETE
B29C 47/0026		DELETE
B29C 47/0028		DELETE
B29C 47/003		DELETE
B29C 47/0033		DELETE
B29C 47/0035		DELETE
B29C 47/0038		DELETE
B29C 47/004		DELETE
B29C 47/0042		DELETE
B29C 47/0045		DELETE
B29C 47/0047		DELETE
B29C 47/005		DELETE
B29C 47/0052		DELETE
B29C 47/0054		DELETE
B29C 47/0057		DELETE
B29C 47/0059		DELETE
B29C 47/0061		DELETE
B29C 47/0064		DELETE
B29C 47/0066		DELETE
B29C 47/0069		DELETE
B29C 47/0071		DELETE
B29C 47/0073		DELETE
B29C 47/0076		DELETE
B29C 47/0078		DELETE
B29C 47/008		DELETE
B29C 47/0083		DELETE
B29C 47/0085		DELETE
B29C 47/0088		DELETE
B29C 47/009		DELETE
B29C 47/0092		DELETE
B29C 47/0095		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 47/0097		DELETE
B29C 47/02		DELETE
B29C 47/021		DELETE
B29C 47/022		DELETE
B29C 47/023		DELETE
B29C 47/025		DELETE
B29C 47/026		DELETE
B29C 47/027		DELETE
B29C 47/028		DELETE
B29C 47/04		DELETE
B29C 47/043		DELETE
B29C 47/046		DELETE
B29C 47/06		DELETE
B29C 47/061		DELETE
B29C 47/062		DELETE
B29C 47/064		DELETE
B29C 47/065		DELETE
B29C 47/067		DELETE
B29C 47/068		DELETE
B29C 47/08		DELETE
B29C 47/0801		DELETE
B29C 47/0803		DELETE
B29C 47/0805		DELETE
B29C 47/0806		DELETE
B29C 47/0808		DELETE
B29C 47/081		DELETE
B29C 47/0811		DELETE
B29C 47/0813		DELETE
B29C 47/0815		DELETE
B29C 47/0816		DELETE
B29C 47/0818		DELETE
B29C 47/082		DELETE
B29C 47/0822		DELETE
B29C 47/0823		DELETE
B29C 47/0825		DELETE
B29C 47/0827		DELETE
B29C 47/0828		DELETE
B29C 47/083		DELETE
B29C 47/0832		DELETE
B29C 47/0833		DELETE
B29C 47/0835		DELETE
B29C 47/0837		DELETE
B29C 47/0838		DELETE
B29C 47/084		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 47/0842		DELETE
B29C 47/0844		DELETE
B29C 47/0845		DELETE
B29C 47/0847		DELETE
B29C 47/0849		DELETE
B29C 47/085		DELETE
B29C 47/0852		DELETE
B29C 47/0854		DELETE
B29C 47/0855		DELETE
B29C 47/0857		DELETE
B29C 47/0859		DELETE
B29C 47/0861		DELETE
B29C 47/0862		DELETE
B29C 47/0864		DELETE
B29C 47/0866		DELETE
B29C 47/0867		DELETE
B29C 47/0869		DELETE
B29C 47/0871		DELETE
B29C 47/0872		DELETE
B29C 47/0874		DELETE
B29C 47/0876		DELETE
B29C 47/0877		DELETE
B29C 47/0879		DELETE
B29C 47/0881		DELETE
B29C 47/0883		DELETE
B29C 47/0884		DELETE
B29C 47/0886		DELETE
B29C 47/0888		DELETE
B29C 47/0889		DELETE
B29C 47/0891		DELETE
B29C 47/0893		DELETE
B29C 47/0894		DELETE
B29C 47/0896		DELETE
B29C 47/0898		DELETE
B29C 47/10		DELETE
B29C 47/1009		DELETE
B29C 47/1018		DELETE
B29C 47/1027		DELETE
B29C 47/1036		DELETE
B29C 47/1045		DELETE
B29C 47/1054		DELETE
B29C 47/1063		DELETE
B29C 47/1072		DELETE
B29C 47/1081		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 47/109		DELETE
B29C 47/12		DELETE
B29C 47/122		DELETE
B29C 47/124		DELETE
B29C 47/126		DELETE
B29C 47/128		DELETE
B29C 47/14		DELETE
B29C 47/145		DELETE
B29C 47/16		DELETE
B29C 47/165		DELETE
B29C 47/18		DELETE
B29C 47/20		DELETE
B29C 47/22		DELETE
B29C 47/225		DELETE
B29C 47/24		DELETE
B29C 47/26		DELETE
B29C 47/261		DELETE
B29C 47/263		DELETE
B29C 47/265		DELETE
B29C 47/266		DELETE
B29C 47/268		DELETE
B29C 47/28		DELETE
B29C 47/30		DELETE
B29C 47/32		DELETE
B29C 47/34		DELETE
B29C 47/36		DELETE
B29C 47/361		DELETE
B29C 47/362		DELETE
B29C 47/363		DELETE
B29C 47/364		DELETE
B29C 47/365		DELETE
B29C 47/366		DELETE
B29C 47/367		DELETE
B29C 47/368		DELETE
B29C 47/369		DELETE
B29C 47/38		DELETE
B29C 47/385		DELETE
B29C 47/40		DELETE
B29C 47/402		DELETE
B29C 47/404		DELETE
B29C 47/406		DELETE
B29C 47/408		DELETE
B29C 47/42		DELETE
B29C 47/44		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 47/46		DELETE
B29C 47/48		DELETE
B29C 47/50		DELETE
B29C 47/52		DELETE
B29C 47/522		DELETE
B29C 47/525		DELETE
B29C 47/527		DELETE
B29C 47/54		DELETE
B29C 47/56		DELETE
B29C 47/58		DELETE
B29C 47/585		DELETE
B29C 47/60		DELETE
B29C 47/6006		DELETE
B29C 47/6012		DELETE
B29C 47/6018		DELETE
B29C 47/6025		DELETE
B29C 47/6031		DELETE
B29C 47/6037		DELETE
B29C 47/6043		DELETE
B29C 47/605		DELETE
B29C 47/6056		DELETE
B29C 47/6062		DELETE
B29C 47/6068		DELETE
B29C 47/6075		DELETE
B29C 47/6081		DELETE
B29C 47/6087		DELETE
B29C 47/6093		DELETE
B29C 47/62		DELETE
B29C 47/622		DELETE
B29C 47/625		DELETE
B29C 47/627		DELETE
B29C 47/64		DELETE
B29C 47/66		DELETE
B29C 47/661		DELETE
B29C 47/662		DELETE
B29C 47/663		DELETE
B29C 47/664		DELETE
B29C 47/665		DELETE
B29C 47/666		DELETE
B29C 47/667		DELETE
B29C 47/668		DELETE
B29C 47/68		DELETE
B29C 47/681		DELETE
B29C 47/682		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 47/683		DELETE
B29C 47/684		DELETE
B29C 47/685		DELETE
B29C 47/686		DELETE
B29C 47/687		DELETE
B29C 47/688		DELETE
B29C 47/70		DELETE
B29C 47/702		DELETE
B29C 47/705		DELETE
B29C 47/707		DELETE
B29C 47/72		DELETE
B29C 47/725		DELETE
B29C 47/74		DELETE
B29C 47/745		DELETE
B29C 47/76		DELETE
B29C 47/761		DELETE
B29C 47/762		DELETE
B29C 47/763		DELETE
B29C 47/765		DELETE
B29C 47/766		DELETE
B29C 47/767		DELETE
B29C 47/768		DELETE
B29C 47/78		DELETE
B29C 47/782		DELETE
B29C 47/784		DELETE
B29C 47/786		DELETE
B29C 47/788		DELETE
B29C 47/80		DELETE
B29C 47/802		DELETE
B29C 47/805		DELETE
B29C 47/807		DELETE
B29C 47/82		DELETE
B29C 47/822		DELETE
B29C 47/825		DELETE
B29C 47/827		DELETE
B29C 47/84		DELETE
B29C 47/842		DELETE
B29C 47/845		DELETE
B29C 47/847		DELETE
B29C 47/86		DELETE
B29C 47/862		DELETE
B29C 47/864		DELETE
B29C 47/866		DELETE
B29C 47/868		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 47/88		DELETE
B29C 47/8805		DELETE
B29C 47/881		DELETE
B29C 47/8815		DELETE
B29C 47/882		DELETE
B29C 47/8825		DELETE
B29C 47/883		DELETE
B29C 47/8835		DELETE
B29C 47/884		DELETE
B29C 47/8845		DELETE
B29C 47/885		DELETE
B29C 47/8855		DELETE
B29C 47/886		DELETE
B29C 47/8865		DELETE
B29C 47/887		DELETE
B29C 47/8875		DELETE
B29C 47/888		DELETE
B29C 47/8885		DELETE
B29C 47/889		DELETE
B29C 47/8895		DELETE
B29C 47/90		DELETE
B29C 47/901		DELETE
B29C 47/902		DELETE
B29C 47/903		DELETE
B29C 47/904		DELETE
B29C 47/905		DELETE
B29C 47/906		DELETE
B29C 47/907		DELETE
B29C 47/908		DELETE
B29C 47/92		DELETE
B29C 47/94		DELETE
B29C 47/96		DELETE
B29C 47/965		DELETE
B29C 48/00	B29C 48/00	NEW
B29C 48/001	B29C 48/00	NEW
B29C 48/0011	B29C 48/00	NEW
B29C 48/0012	B29C 48/00	NEW
B29C 48/0013	B29C 48/00	NEW
B29C 48/0014	B29C 48/00	NEW
B29C 48/0015	B29C 48/00	NEW
B29C 48/0016	B29C 48/00	NEW
B29C 48/0017	B29C 48/00	NEW
B29C 48/0018	B29C 48/00	NEW
B29C 48/0019	B29C 48/00	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 48/002	B29C 48/00	NEW
B29C 48/0021	B29C 48/00	NEW
B29C 48/0022	B29C 48/00	NEW
B29C 48/0023	B29C 48/00	NEW
B29C 48/02	B29C 48/02	NEW
B29C 48/022	B29C 48/00	NEW
B29C 48/023	B29C 48/00	NEW
B29C 48/025	B29C 48/025	NEW
B29C 48/0255	B29C 48/025	NEW
B29C 48/03	B29C 48/03	NEW
B29C 48/04	B29C 48/04	NEW
B29C 48/05	B29C 48/05	NEW
B29C 48/06	B29C 48/06	NEW
B29C 48/07	B29C 48/07	NEW
B29C 48/08	B29C 48/08	NEW
B29C 48/09	B29C 48/09	NEW
B29C 48/10	B29C 48/10	NEW
B29C 48/11	B29C 48/11	NEW
B29C 48/12	B29C 48/12	NEW
B29C 48/13	B29C 48/13	NEW
B29C 48/131	B29C 48/03	NEW
B29C 48/14	B29C 48/14	NEW
B29C 48/141	B29C 48/14	NEW
B29C 48/142	B29C 48/14	NEW
B29C 48/143	B29C 48/14	NEW
B29C 48/144	B29C 48/14	NEW
B29C 48/145	B29C 48/14	NEW
B29C 48/146	B29C 48/14	NEW
B29C 48/147	B29C 48/14	NEW
B29C 48/1472	B29C 48/14	NEW
B29C 48/1474	B29C 48/14	NEW
B29C 48/1476	B29C 48/14	NEW
B29C 48/1478	B29C 48/14	NEW
B29C 48/15	B29C 48/15	NEW
B29C 48/151	B29C 48/151	NEW
B29C 48/152	B29C 48/152	NEW
B29C 48/153	B29C 48/153	NEW
B29C 48/154	B29C 48/154	NEW
B29C 48/155	B29C 48/155	NEW
B29C 48/156	B29C 48/156	NEW
B29C 48/157	B29C 48/157	NEW
B29C 48/16	B29C 48/16	NEW
B29C 48/17	B29C 48/17	NEW
B29C 48/175	B29C 48/17	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 48/18	B29C 48/18	NEW
B29C 48/185	B29C 48/18	NEW
B29C 48/19	B29C 48/19	NEW
B29C 48/20	B29C 48/20	NEW
B29C 48/21	B29C 48/21	NEW
B29C 48/22	B29C 48/22	NEW
B29C 48/23	B29C 48/23	NEW
B29C 48/25	B29C 48/25	NEW
B29C 48/251	B29C 48/25	NEW
B29C 48/2511	B29C 48/25	NEW
B29C 48/2513	B29C 48/25	NEW
B29C 48/2515	B29C 48/25	NEW
B29C 48/2517	B29C 48/25	NEW
B29C 48/2519	B29C 48/25	NEW
B29C 48/252	B29C 48/25	NEW
B29C 48/2522	B29C 48/25	NEW
B29C 48/2526	B29C 48/25	NEW
B29C 48/2528	B29C 48/25	NEW
B29C 48/254	B29C 48/25	NEW
B29C 48/2545	B29C 48/25	NEW
B29C 48/255	B29C 48/255	NEW
B29C 48/2552	B29C 48/255	NEW
B29C 48/2554	B29C 48/255	NEW
B29C 48/2556	B29C 48/255	NEW
B29C 48/256	B29C 48/25	NEW
B29C 48/2561	B29C 48/25	NEW
B29C 48/2562	B29C 48/25	NEW
B29C 48/2563	B29C 48/25	NEW
B29C 48/2564	B29C 48/25	NEW
B29C 48/2565	B29C 48/25	NEW
B29C 48/2566	B29C 48/25	NEW
B29C 48/2567	B29C 48/25	NEW
B29C 48/2568	B29C 48/25	NEW
B29C 48/25682	B29C 48/25	NEW
B29C 48/25684	B29C 48/25	NEW
B29C 48/25686	B29C 48/25	NEW
B29C 48/265	B29C 48/265	NEW
B29C 48/266	B29C 48/25	NEW
B29C 48/2665	B29C 48/25	NEW
B29C 48/267	B29C 48/25	NEW
B29C 48/268	B29C 48/25	NEW
B29C 48/269	B29C 48/25	NEW
B29C 48/2692	B29C 48/25	NEW
B29C 48/2694	B29C 48/25	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 48/27	B29C 48/27	NEW
B29C 48/271	B29C 48/27	NEW
B29C 48/2715	B29C 48/27	NEW
B29C 48/272	B29C 48/27	NEW
B29C 48/2725	B29C 48/27	NEW
B29C 48/273	B29C 48/27	NEW
B29C 48/2735	B29C 48/27	NEW
B29C 48/274	B29C 48/27	NEW
B29C 48/275	B29C 48/275	NEW
B29C 48/276	B29C 48/275	NEW
B29C 48/277	B29C 48/275	NEW
B29C 48/278	B29C 48/275	NEW
B29C 48/28	B29C 48/28	NEW
B29C 48/285	B29C 48/285	NEW
B29C 48/286	B29C 48/285	NEW
B29C 48/287	B29C 48/285	NEW
B29C 48/288	B29C 48/285	NEW
B29C 48/2883	B29C 48/285	NEW
B29C 48/2886	B29C 48/285	NEW
B29C 48/2888	B29C 48/285	NEW
B29C 48/29	B29C 48/29	NEW
B29C 48/295	B29C 48/295	NEW
B29C 48/297	B29C 48/285	NEW
B29C 48/298	B29C 48/285	NEW
B29C 48/30	B29C 48/30	NEW
B29C 48/3001	B29C 48/30	NEW
B29C 48/3003	B29C 48/30	NEW
B29C 48/301	B29C 48/30	NEW
B29C 48/302	B29C 48/30	NEW
B29C 48/303	B29C 48/30	NEW
B29C 48/304	B29C 48/30	NEW
B29C 48/305	B29C 48/305	NEW
B29C 48/307	B29C 48/305	NEW
B29C 48/31	B29C 48/31	NEW
B29C 48/313	B29C 48/31	NEW
B29C 48/315	B29C 48/315	NEW
B29C 48/32	B29C 48/32	NEW
B29C 48/325	B29C 48/325	NEW
B29C 48/327	B29C 48/325	NEW
B29C 48/33	B29C 48/33	NEW
B29C 48/335	B29C 48/335	NEW
B29C 48/336	B29C 48/335	NEW
B29C 48/3363	B29C 48/335	NEW
B29C 48/3366	B29C 48/335	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 48/337	B29C 48/335	NEW
B29C 48/338	B29C 48/335	NEW
B29C 48/34	B29C 48/34	NEW
B29C 48/345	B29C 48/345	NEW
B29C 48/35	B29C 48/35	NEW
B29C 48/355	B29C 48/355	NEW
B29C 48/36	B29C 48/36	NEW
B29C 48/361	B29C 48/36	NEW
B29C 48/362	B29C 48/36	NEW
B29C 48/363	B29C 48/36	NEW
B29C 48/365	B29C 48/365	NEW
B29C 48/37	B29C 48/37	NEW
B29C 48/375	B29C 48/375	NEW
B29C 48/38	B29C 48/38	NEW
B29C 48/385	B29C 48/385	NEW
B29C 48/387	B29C 48/375	NEW
B29C 48/388	B29C 48/375	NEW
B29C 48/39	B29C 48/39	NEW
B29C 48/395	B29C 48/395	NEW
B29C 48/397	B29C 48/395	NEW
B29C 48/40	B29C 48/40	NEW
B29C 48/402	B29C 48/40	NEW
B29C 48/404	B29C 48/40	NEW
B29C 48/405	B29C 48/405	NEW
B29C 48/41	B29C 48/41	NEW
B29C 48/415	B29C 48/415	NEW
B29C 48/42	B29C 48/42	NEW
B29C 48/425	B29C 48/425	NEW
B29C 48/43	B29C 48/43	NEW
B29C 48/435	B29C 48/435	NEW
B29C 48/44	B29C 48/44	NEW
B29C 48/445	B29C 48/445	NEW
B29C 48/45	B29C 48/45	NEW
B29C 48/455	B29C 48/455	NEW
B29C 48/46	B29C 48/46	NEW
B29C 48/465	B29C 48/465	NEW
B29C 48/467	B29C 48/465	NEW
B29C 48/468	B29C 48/465	NEW
B29C 48/47	B29C 48/47	NEW
B29C 48/475	B29C 48/475	NEW
B29C 48/48	B29C 48/48	NEW
B29C 48/485	B29C 48/485	NEW
B29C 48/49	B29C 48/49	NEW
B29C 48/495	B29C 48/495	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 48/50	B29C 48/50	NEW
B29C 48/501	B29C 48/50	NEW
B29C 48/503	B29C 48/50	NEW
B29C 48/505	B29C 48/505	NEW
B29C 48/507	B29C 48/505	NEW
B29C 48/509	B29C 48/505	NEW
B29C 48/51	B29C 48/51	NEW
B29C 48/515	B29C 48/515	NEW
B29C 48/52	B29C 48/52	NEW
B29C 48/525	B29C 48/525	NEW
B29C 48/53	B29C 48/53	NEW
B29C 48/535	B29C 48/535	NEW
B29C 48/54	B29C 48/54	NEW
B29C 48/55	B29C 48/55	NEW
B29C 48/56	B29C 48/56	NEW
B29C 48/565	B29C 48/565	NEW
B29C 48/57	B29C 48/57	NEW
B29C 48/575	B29C 48/575	NEW
B29C 48/58	B29C 48/58	NEW
B29C 48/585	B29C 48/585	NEW
B29C 48/59	B29C 48/59	NEW
B29C 48/595	B29C 48/595	NEW
B29C 48/60	B29C 48/60	NEW
B29C 48/605	B29C 48/605	NEW
B29C 48/61	B29C 48/61	NEW
B29C 48/615	B29C 48/615	NEW
B29C 48/62	B29C 48/62	NEW
B29C 48/625	B29C 48/625	NEW
B29C 48/63	B29C 48/63	NEW
B29C 48/635	B29C 48/635	NEW
B29C 48/64	B29C 48/64	NEW
B29C 48/645	B29C 48/645	NEW
B29C 48/65	B29C 48/65	NEW
B29C 48/655	B29C 48/655	NEW
B29C 48/66	B29C 48/66	NEW
B29C 48/67	B29C 48/67	NEW
B29C 48/68	B29C 48/68	NEW
B29C 48/6801	B29C 48/68	NEW
B29C 48/6803	B29C 48/68	NEW
B29C 48/681	B29C 48/68	NEW
B29C 48/682	B29C 48/68	NEW
B29C 48/683	B29C 48/68	NEW
B29C 48/684	B29C 48/68	NEW
B29C 48/685	B29C 48/685	NEW

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B29C 48/686	B29C 48/685	NEW
B29C 48/687	B29C 48/685	NEW
B29C 48/688	B29C 48/685	NEW
B29C 48/69	B29C 48/69	NEW
B29C 48/691	B29C 48/691	NEW
B29C 48/6912	B29C 48/691	NEW
B29C 48/6914	B29C 48/691	NEW
B29C 48/6916	B29C 48/691	NEW
B29C 48/692	B29C 48/692	NEW
B29C 48/693	B29C 48/693	NEW
B29C 48/694	B29C 48/694	NEW
B29C 48/6945	B29C 48/694	NEW
B29C 48/695	B29C 48/695	NEW
B29C 48/70	B29C 48/70	NEW
B29C 48/705	B29C 48/70	NEW
B29C 48/71	B29C 48/71	NEW
B29C 48/72	B29C 48/72	NEW
B29C 48/725	B29C 48/72	NEW
B29C 48/74	B29C 48/74	NEW
B29C 48/745	B29C 48/74	NEW
B29C 48/76	B29C 48/76	NEW
B29C 48/761	B29C 48/76	NEW
B29C 48/762	B29C 48/76	NEW
B29C 48/763	B29C 48/76	NEW
B29C 48/765	B29C 48/76	NEW
B29C 48/766	B29C 48/76	NEW
B29C 48/767	B29C 48/76	NEW
B29C 48/768	B29C 48/76	NEW
B29C 48/78	B29C 48/78	NEW
B29C 48/79	B29C 48/79	NEW
B29C 48/793	B29C 48/793	NEW
B29C 48/797	B29C 48/797	NEW
B29C 48/80	B29C 48/80	NEW
B29C 48/802	B29C 48/80	NEW
B29C 48/82	B29C 48/82	NEW
B29C 48/83	B29C 48/80	NEW
B29C 48/832	B29C 48/80	NEW
B29C 48/834	B29C 48/80	NEW
B29C 48/84	B29C 48/84	NEW
B29C 48/845	B29C 48/84	NEW
B29C 48/85	B29C 48/85	NEW
B29C 48/86	B29C 48/86	NEW
B29C 48/865	B29C 48/86	NEW
B29C 48/87	B29C 48/87	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 48/872	B29C 48/86	NEW
B29C 48/873	B29C 48/86	NEW
B29C 48/875	B29C 48/875	NEW
B29C 48/88	B29C 48/88	NEW
B29C 48/885	B29C 48/885	NEW
B29C 48/89	B29C 48/89	NEW
B29C 48/90	B29C 48/90	NEW
B29C 48/901	B29C 48/90	NEW
B29C 48/902	B29C 48/90	NEW
B29C 48/903	B29C 48/90	NEW
B29C 48/904	B29C 48/90	NEW
B29C 48/905	B29C 48/90	NEW
B29C 48/906	B29C 48/90	NEW
B29C 48/907	B29C 48/90	NEW
B29C 48/908	B29C 48/90	NEW
B29C 48/91	B29C 48/91	NEW
B29C 48/9105	B29C 48/91	NEW
B29C 48/911	B29C 48/88	NEW
B29C 48/9115	B29C 48/88	NEW
B29C 48/912	B29C 48/88	NEW
B29C 48/9125	B29C 48/88	NEW
B29C 48/913	B29C 48/88	NEW
B29C 48/9135	B29C 48/88	NEW
B29C 48/914	B29C 48/88	NEW
B29C 48/9145	B29C 48/88	NEW
B29C 48/915	B29C 48/88	NEW
B29C 48/9155	B29C 48/88	NEW
B29C 48/916	B29C 48/88	NEW
B29C 48/9165	B29C 48/88	NEW
B29C 48/917	B29C 48/88	NEW
B29C 48/9175	B29C 48/88	NEW
B29C 48/918	B29C 48/88	NEW
B29C 48/9185	B29C 48/88	NEW
B29C 48/919	B29C 48/88	NEW
B29C 48/92	B29C 48/92	NEW
B29C 48/94	B29C 48/94	NEW
B29C 48/95	B29C 48/95	NEW
B29C 48/96	B29C 48/96	NEW
B29C 48/965	B29C 48/96	NEW
B29C 2947/00		DELETE
B29C 2947/92		DELETE
B29C 2947/92009		DELETE
B29C 2947/92019		DELETE
B29C 2947/92028		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 2947/92038		DELETE
B29C 2947/92047		DELETE
B29C 2947/92057		DELETE
B29C 2947/92066		DELETE
B29C 2947/92076		DELETE
B29C 2947/92085		DELETE
B29C 2947/92095		DELETE
B29C 2947/92104		DELETE
B29C 2947/92114		DELETE
B29C 2947/92123		DELETE
B29C 2947/92133		DELETE
B29C 2947/92142		DELETE
B29C 2947/92152		DELETE
B29C 2947/92161		DELETE
B29C 2947/92171		DELETE
B29C 2947/9218		DELETE
B29C 2947/9219		DELETE
B29C 2947/922		DELETE
B29C 2947/92209		DELETE
B29C 2947/92219		DELETE
B29C 2947/92228		DELETE
B29C 2947/92238		DELETE
B29C 2947/92247		DELETE
B29C 2947/92257		DELETE
B29C 2947/92266		DELETE
B29C 2947/92276		DELETE
B29C 2947/92285		DELETE
B29C 2947/92295		DELETE
B29C 2947/92304		DELETE
B29C 2947/92314		DELETE
B29C 2947/92323		DELETE
B29C 2947/92333		DELETE
B29C 2947/92342		DELETE
B29C 2947/92352		DELETE
B29C 2947/92361		DELETE
B29C 2947/92371		DELETE
B29C 2947/9238		DELETE
B29C 2947/9239		DELETE
B29C 2947/924		DELETE
B29C 2947/92409		DELETE
B29C 2947/92419		DELETE
B29C 2947/92428		DELETE
B29C 2947/92438		DELETE
B29C 2947/92447		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 2947/92457		DELETE
B29C 2947/92466		DELETE
B29C 2947/92476		DELETE
B29C 2947/92485		DELETE
B29C 2947/92495		DELETE
B29C 2947/92504		DELETE
B29C 2947/92514		DELETE
B29C 2947/92523		DELETE
B29C 2947/92533		DELETE
B29C 2947/92542		DELETE
B29C 2947/92552		DELETE
B29C 2947/92561		DELETE
B29C 2947/92571		DELETE
B29C 2947/9258		DELETE
B29C 2947/9259		DELETE
B29C 2947/926		DELETE
B29C 2947/92609		DELETE
B29C 2947/92619		DELETE
B29C 2947/92628		DELETE
B29C 2947/92638		DELETE
B29C 2947/92647		DELETE
B29C 2947/92657		DELETE
B29C 2947/92666		DELETE
B29C 2947/92676		DELETE
B29C 2947/92685		DELETE
B29C 2947/92695		DELETE
B29C 2947/92704		DELETE
B29C 2947/92714		DELETE
B29C 2947/92723		DELETE
B29C 2947/92733		DELETE
B29C 2947/92742		DELETE
B29C 2947/92752		DELETE
B29C 2947/92761		DELETE
B29C 2947/92771		DELETE
B29C 2947/9278		DELETE
B29C 2947/9279		DELETE
B29C 2947/928		DELETE
B29C 2947/92809		DELETE
B29C 2947/92819		DELETE
B29C 2947/92828		DELETE
B29C 2947/92838		DELETE
B29C 2947/92847		DELETE
B29C 2947/92857		DELETE
B29C 2947/92866		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 2947/92876		DELETE
B29C 2947/92885		DELETE
B29C 2947/92895		DELETE
B29C 2947/92904		DELETE
B29C 2947/92914		DELETE
B29C 2947/92923		DELETE
B29C 2947/92933		DELETE
B29C 2947/92942		DELETE
B29C 2947/92952		DELETE
B29C 2947/92961		DELETE
B29C 2947/92971		DELETE
B29C 2947/9298		DELETE
B29C 2947/9299		DELETE
B29C 2948/00	CPCONLY	NEW
B29C 2948/92	CPCONLY	NEW
B29C 2948/92009	CPCONLY	NEW
B29C 2948/92019	CPCONLY	NEW
B29C 2948/92028	CPCONLY	NEW
B29C 2948/92038	CPCONLY	NEW
B29C 2948/92047	CPCONLY	NEW
B29C 2948/92057	CPCONLY	NEW
B29C 2948/92066	CPCONLY	NEW
B29C 2948/92076	CPCONLY	NEW
B29C 2948/92085	CPCONLY	NEW
B29C 2948/92095	CPCONLY	NEW
B29C 2948/92104	CPCONLY	NEW
B29C 2948/92114	CPCONLY	NEW
B29C 2948/92123	CPCONLY	NEW
B29C 2948/92133	CPCONLY	NEW
B29C 2948/92142	CPCONLY	NEW
B29C 2948/92152	CPCONLY	NEW
B29C 2948/92161	CPCONLY	NEW
B29C 2948/92171	CPCONLY	NEW
B29C 2948/9218	CPCONLY	NEW
B29C 2948/9219	CPCONLY	NEW
B29C 2948/922	CPCONLY	NEW
B29C 2948/92209	CPCONLY	NEW
B29C 2948/92219	CPCONLY	NEW
B29C 2948/92228	CPCONLY	NEW
B29C 2948/92238	CPCONLY	NEW
B29C 2948/92247	CPCONLY	NEW
B29C 2948/92257	CPCONLY	NEW
B29C 2948/92266	CPCONLY	NEW
B29C 2948/92276	CPCONLY	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 2948/92285	CPCONLY	NEW
B29C 2948/92295	CPCONLY	NEW
B29C 2948/92304	CPCONLY	NEW
B29C 2948/92314	CPCONLY	NEW
B29C 2948/92323	CPCONLY	NEW
B29C 2948/92333	CPCONLY	NEW
B29C 2948/92342	CPCONLY	NEW
B29C 2948/92352	CPCONLY	NEW
B29C 2948/92361	CPCONLY	NEW
B29C 2948/92371	CPCONLY	NEW
B29C 2948/9238	CPCONLY	NEW
B29C 2948/9239	CPCONLY	NEW
B29C 2948/924	CPCONLY	NEW
B29C 2948/92409	CPCONLY	NEW
B29C 2948/92419	CPCONLY	NEW
B29C 2948/92428	CPCONLY	NEW
B29C 2948/92438	CPCONLY	NEW
B29C 2948/92447	CPCONLY	NEW
B29C 2948/92457	CPCONLY	NEW
B29C 2948/92466	CPCONLY	NEW
B29C 2948/92476	CPCONLY	NEW
B29C 2948/92485	CPCONLY	NEW
B29C 2948/92495	CPCONLY	NEW
B29C 2948/92504	CPCONLY	NEW
B29C 2948/92514	CPCONLY	NEW
B29C 2948/92523	CPCONLY	NEW
B29C 2948/92533	CPCONLY	NEW
B29C 2948/92542	CPCONLY	NEW
B29C 2948/92552	CPCONLY	NEW
B29C 2948/92561	CPCONLY	NEW
B29C 2948/92571	CPCONLY	NEW
B29C 2948/9258	CPCONLY	NEW
B29C 2948/9259	CPCONLY	NEW
B29C 2948/926	CPCONLY	NEW
B29C 2948/92609	CPCONLY	NEW
B29C 2948/92619	CPCONLY	NEW
B29C 2948/92628	CPCONLY	NEW
B29C 2948/92638	CPCONLY	NEW
B29C 2948/92647	CPCONLY	NEW
B29C 2948/92657	CPCONLY	NEW
B29C 2948/92666	CPCONLY	NEW
B29C 2948/92676	CPCONLY	NEW
B29C 2948/92685	CPCONLY	NEW
B29C 2948/92695	CPCONLY	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B29C 2948/92704	CPCONLY	NEW
B29C 2948/92714	CPCONLY	NEW
B29C 2948/92723	CPCONLY	NEW
B29C 2948/92733	CPCONLY	NEW
B29C 2948/92742	CPCONLY	NEW
B29C 2948/92752	CPCONLY	NEW
B29C 2948/92761	CPCONLY	NEW
B29C 2948/92771	CPCONLY	NEW
B29C 2948/9278	CPCONLY	NEW
B29C 2948/9279	CPCONLY	NEW
B29C 2948/928	CPCONLY	NEW
B29C 2948/92809	CPCONLY	NEW
B29C 2948/92819	CPCONLY	NEW
B29C 2948/92828	CPCONLY	NEW
B29C 2948/92838	CPCONLY	NEW
B29C 2948/92847	CPCONLY	NEW
B29C 2948/92857	CPCONLY	NEW
B29C 2948/92866	CPCONLY	NEW
B29C 2948/92876	CPCONLY	NEW
B29C 2948/92885	CPCONLY	NEW
B29C 2948/92895	CPCONLY	NEW
B29C 2948/92904	CPCONLY	NEW
B29C 2948/92914	CPCONLY	NEW
B29C 2948/92923	CPCONLY	NEW
B29C 2948/92933	CPCONLY	NEW
B29C 2948/92942	CPCONLY	NEW
B29C 2948/92952	CPCONLY	NEW
B29C 2948/92961	CPCONLY	NEW
B29C 2948/92971	CPCONLY	NEW
B29C 2948/9298	CPCONLY	NEW
B29C 2948/9299	CPCONLY	NEW

*Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with “NEW.”
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

- F symbols are not included in the CICL table above.
- 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)

Scheme references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
B01F 7/08	B29C 47/38	<u>REPLACE</u> with: B29C 48/395
B05	B29C 47/02	<u>REPLACE</u> with: B29C 48/15
B28B 3/20	B29C 47/00	<u>REPLACE</u> with: B29C 48/00
B29B 7/00	B29C 47/36	<u>REPLACE</u> with: B29C 48/36
B29C 33/72	B29C 47/0877	<u>REPLACE</u> with: B29C 48/27
B29C 35/16	B29C 47/8815	<u>REPLACE</u> with: B29C 48/911
B29C 44/505	B29C 47/0009	<u>REPLACE</u> with: B29C 48/03
B29C 44/507	B29C 47/0009	<u>REPLACE</u> with: B29C 48/03
B29C 49/00	B29C 47/0026	<u>REPLACE</u> with: B29C 48/10
B29C 53/10	B29C 47/0009	<u>REPLACE</u> with: B29C 48/03
B29C 55/28	B29C 47/0009	<u>REPLACE</u> with: B29C 48/03
B29C 69/00	B29C 47/0038	<u>REPLACE</u> with: B29C 48/001
B29C 71/0081	B29C 47/887	<u>REPLACE</u> with: B29C 48/9165
B29D 30/52	B29C 47/00	<u>REPLACE</u> with: B29C 48/00
B81C 99/0015	B29C 47/12	<u>REPLACE</u> with: B29C 48/30
C03B 37/01288	B29C 47/28	<u>REPLACE</u> with: B29C 48/34
E05Y 2800/455	B29C 47/00	<u>REPLACE</u> with:: B29C 48/00
G02B 6/3696	B29C 47/00	<u>REPLACE</u> with: B29C 48/00
H01B 13/14	B29C 47/00	<u>REPLACE</u> with: B29C 48/00
H01B 13/24	B29C 47/02	<u>REPLACE</u> with: B29C 48/15

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Definitions references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
A23P 30/20	B29C 47/00	Informative references	Replace with: B29C 48/00
A61M 25/0009	B29C 47/00	Informative references	Replace with: B29C 48/00
A61M 25/001	B29C 47/00	Informative references	Replace with: B29C 48/00
A61M 25/0012	B29C 47/00	Informative references	Replace with: B29C 48/00
A61M 25/1027	B29C 47/00	Informative references	Replace with: B29C 48/00
B01D	B29C 47/68	Application-oriented references	Replace with: B29C 48/69
B01D 29/00	B29C 47/68	Limiting references	Replace with: B29C 48/69
B01D 33/00	B29C 47/68	Limiting references	Replace with: B29C 48/69
B01D 35/00	B29C 47/68	Limiting references	Replace with: B29C 48/69
B01D 36/00	B29C 47/68	Limiting references	Replace with: B29C 48/69
B01D 37/00	B29C 47/68	Limiting references	Replace with: B29C 48/69
B05B	B29C 47/02	Informative referenes	Replace by : B29C 48/15
B21C 23/00	B29C 47/00	Informative references	Replace by : B29C 48/00
B27N 3/28	B29C 47/00	Informative references	Replace by : B29C 48/00
B28B 3/00	B29C 47/00	Informative references	Replace by : B29C 48/00
B29B 7/00	B29C 47/00	Informative references	Replace by : B29C 48/00
B29B 9/06	B29C 47/30	Informative references	Replace by : B29C 48/345
B29B 11/10	B29C 47/00	Special rules of classification	Replace by : B29C 48/00
B29C 31/008	B29C 47/02	Informative references	Replace by : B29C 48/15
B29C 31/02	B29C 47/10	Informative references	Replace by : B29C 48/285
B29C 31/04	B29C 47/10	Informative references	Replace by : B29C 48/285
B29C 35/02	B29C 47/78	Informative references	Replace by : B29C 48/78
B29C 35/0288	B29C 47/92	Informative references	Replace by : B29C 48/92

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<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
B29C 35/06	B29C 47/8805	Informative references	<u>Replace</u> by : B29C 48/91
B29C 35/10	B29C 47/8805	Informative references	<u>Replace</u> by : B29C 48/91
B29C 35/14	B29C 47/78	Informative references	<u>Replace</u> by : B29C 48/78
B29C 35/16	B29C 47/8815	Informative references	<u>Replace</u> by : B29C 48/911
B29C 37/00	B29C 47/92	Informative references	<u>Replace</u> by : B29C 48/92
B29C 45/1634	B29C 47/046	Informative references	<u>Replace</u> by : B29C 48/175
B29C 45/1753	B29C 47/0877	Informative references	<u>Replace</u> by : B29C 48/27
B29C 45/176	B29C 47/0818	Informative references	<u>Replace</u> by : B29C 48/256
B29C 45/18	B29C 47/10	Informative references	<u>Replace</u> with: B29C 48/285
B29C 45/1816	B29C 47/1063	Informative references	<u>Replace</u> with: B29C 48/29
B29C 45/24	B29C 47/68	Informative references	<u>Replace</u> with: B29C 48/69
B29C 45/464	B29C 47/52	Informative references	<u>Replace</u> with: B29C 48/46
B29C 45/581	B29C 47/36	Informative references	<u>Replace</u> with: B29C 48/36,
B29C 45/585	B29C 47/0071	Informative references	<u>Replace</u> with: B29C 48/14
B29C 45/60	B29C 47/60	Informative references	<u>Replace</u> with: B29C 48/505
B29C 45/62	B29C 47/0847	Informative references	<u>Replace</u> with: B29C 48/6801
B29C 45/62	B29C 47/66	Informative references	<u>Replace</u> with: B29C 48/68
B29C 45/63	B29C 47/76	Informative references	<u>Replace</u> with: B29C 48/76
B29C 45/74	B29C 47/82	Informative references	<u>Replace</u> with: B29C 48/83
B29C 49/00	B29C 47/0026	Limiting references	<u>Replace</u> with: B29C 48/10
B29C 49/26	B29C 47/022	Informative references	<u>Replace</u> with: B29C 48/152
B29C 49/42	B29C 47/12	Informative references	<u>Replace</u> with: B29C 48/30
B29C 59/021	B29C 47/0061	Informative references	<u>Replace</u> with: B29C 48/002
B29C 63/00	B29C 47/00	Limiting references	<u>Replace</u> with: B29C 48/00

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B29C 69/00	B29C 47/0038	Limiting references	Replace with: B29C 48/001
B29C 70/12	B29C 47/004	Relationships with other classification places	Replace with: B29C 48/0011
B29C 70/52	B29C 47/004	Limiting references	Replace with: B29C 48/0011
B29C 70/68	B29C 47/02	Relationships with other classification places	Replace with: B29C 48/15
B29C 71/0072	B29C 47/88	Informative references	Replace with: B29C 48/88
B29C 71/02	B29C 47/88	Limiting references	Replace with: B29C 48/88
B29D 16/00	B29C 47/126	Informative references	Replace with: B29C 48/303
B30B 11/22	B29C 47/00	Informative references	Replace with: B29C 48/00
B32B	B29C 47/06	Special rules of classification	Replace with: B29C 48/18
B32B 37/00	B29C 47/00	Informative references	Replace with: B29C 48/00
B60J 10/00	B29C 47/00	Informative references	Replace with: B29C 48/00
B65G 33/00	B29C 47/38	Informative references	Replace with: B29C 48/395
B66B 23/24	B29C 47/00	Limiting references	Replace with: B29C 48/00
C03B	B29C 47/28	Informative references	Replace with: B29C 48/34
C04B 2235/6021	B29C 47/00	Informative references	Replace with: B29C 48/00
C08G 63/785	B29C 47/00	Informative references	Replace with: B29C 48/00
C08G 85/008	B29C 47/0877	Informative references	Replace with: B29C 48/27
D01D	B29C 47/00	Informative references	Replace with: B29C 48/00
D01D 4/00	B29C 47/00	Informative references	Replace with: B29C 48/00
D07B 7/145	B29C 47/027	Informative references	Replace with: B29C 48/156
D07B 7/145	B29C 47/28	Informative references	Replace with: B29C 48/34
E04B 9/064	B29C 47/00	Informative references	Replace with: B29C 48/00

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E04C 2/543	B29C 47/30	Informative references	<u>Replace with:</u> B29C 48/345
F04C 2/08	B29C 47/00	Informative references	<u>Replace with:</u> B29C 48/00
F25D 23/06	B29C 47/00	Informative references	<u>Replace with:</u> B29C 48/00
F28F 21/00	B29C 47/00	Informative references	<u>Replace with:</u> B29C 48/00
G01J 3/46	B29C 47/00	Informative references	<u>Replace with:</u> B29C 48/00
H01B 13/14	B29C 47/00	Informative references	<u>Replace with:</u> B29C 48/00
H01B 13/24	B29C 47/00	Informative references	<u>Replace with:</u> B29C 48/00
H04R 25/658	B29C 47/00	Informative references	<u>Replace with:</u> B29C 48/00
H04R 31/003	B29C 47/00	Informative references	<u>Replace with:</u> B29C 48/00
H04R 2307/025	B29C 47/00	Informative references	<u>Replace with:</u> B29C 48/00

NOTES:

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