

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 775

DATE: JANUARY 1, 2020

PROJECT RP0616

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:	B63B	9/00, 9/001, 9/002, 9/003, 2009/005, 2009/006, 2009/007, 2009/008, 9/02, 2009/025, 9/04, 9/06, 9/062, 9/065, 2009/067, 9/08
	B63J	2099/006, 2099/008
Symbols New:	B63B	71/00, 71/10, 71/20
		73/00, 73/10, 73/20, 73/30, 73/40, 73/43, 73/46, 73/48, 73/49, 73/50, 73/60, 73/70, 73/72, 73/74
		75/00
		77/00, 77/10
		79/00, 79/10, 79/15, 79/20, 79/30, 79/40
		81/00
		83/00, 83/10, 83/20, 83/30, 83/40
		85/00
Titles Changed:	B63B	SUBCLASS
		1/00
		3/00
Warnings New:	B63B	71/00
		73/00, 73/10, 73/20, 73/30, 73/40, 73/43, 73/46, 73/48, 43/49, 73/50, 73/60, 73/70
		75/00
		77/00
		79/00, 79/10, 79/20, 79/30, 79/40
		83/00, 83/10, 83/20, 83/30, 83/40
		2221/00, 2221/02, 2221/04, 2221/06, 2221/08, 2221/10
Warnings Modified:	B63B	2701/00
		2702/00
		2704/00
		2705/00
		2707/00
		2708/00
		2709/00
		2710/00
		2711/00
		2712/00
		2713/00
		2714/00
		2715/00
		2716/00

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
		2717/00
		2718/00
		2719/00
		2721/00
		2722/00
		2723/00
		2724/00
		2725/00
		2726/00
		2727/00
		2730/00
		2731/00
		2732/00
		2733/00
		2734/00
		2735/00
		2736/00
		2737/00
		2738/00
		2739/00
		2741/00
		2742/00
		2743/00
		2744/00
		2745/00
		2746/00
		2747/00
		2748/00
		2749/00
		2750/00
		2751/00
		2752/00
		2753/00
		2754/00
		2755/00
		2756/00
		2757/00
		2758/00
		2759/00
		2760/00
		2770/00
	B63J	SUBCLASS
DEFINITIONS:		
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)	B63B	9/00
Definitions New:	B63B	71/00, 71/10, 71/20
		73/00, 73/10, 73/20, 73/50, 73/60, 73/70, 73/72, 73/74

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
		75/00
		77/00, 77/10
		79/00, 79/10, 79/15, 79/20, 79/30, 79/40,
		81/00
		83/10, 83/20, 83/40
Definitions Modified:	B63B	SUBCLASS
		1/00
		3/00
		21/00

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):

B29C73/00, B60V, B63B5/00, B63B35/00, B63B35/44, E02B1/02, E02B17/00, G01M1/00, G01M10/00

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 B63B - SHIPS OR OTHER WATERBORNE VESSELS; EQUIPMENT FOR SHIPPING

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to[#]</u>
M	B63B	Subclass	SHIPS OR OTHER WATERBORNE VESSELS; EQUIPMENT FOR SHIPPING (arrangements of vessel ventilation, heating, cooling, or air-conditioning B63J2/00; floating substructures as supports of dredgers or soil-shifting machines E02F9/06)	
M	B63B1/00	0	Hydrodynamic or hydrostatic features of hulls or of hydrofoils (hulls peculiar to submarines B63B3/13; keels B63B3/38)	
M	B63B3/00	0	Hulls characterised by their structure or component parts (non-metallic hulls B63B5/00; designing, building, maintaining or repairing methods B63B71/00 - B63B83/00)	
D	B63B9/00	0	Methods of designing, building, maintaining, converting, refitting, repairing, or determining properties of vessels, not otherwise provided for (shuttering for building concrete vessels E04G)	<administrative transfer to B63B71/00>
D	B63B9/001	1	{Methods of designing, or determining properties of vessels by means of analytical modelling, e.g. computational}	<administrative transfer to B63B71/00>
D	B63B9/002	2	{using fluid dynamics analysis, e.g. computational fluid dynamics}	<administrative transfer to B63B71/10>
D	B63B9/003	2	{using structure analysis, e.g. finite elements}	<administrative transfer to B63B71/10>
D	B63B2009/005	1	{Methods for dismantling hulls, or elements of ships or other waterborne vessels, e.g. floating offshore structures}	<administrative transfer to B63B85/00 INV>

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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	B63B2009/006	2	{for dismantling hulls, or structural elements}	<administrative transfer to B63B85/00 INV>
D	B63B2009/007	2	{for unshipping or dismantling equipment or non-structural elements, e.g. propellers, rudders or prime movers}	<administrative transfer to B63B85/00 INV>
D	B63B2009/008	1	{Methods for repairing hulls or structural elements of ships or other waterborne vessels, e.g. floating offshore structures}	<administrative transfer to B63B81/00 INV>
D	B63B9/02	1	using towing tanks or model basins for designing {(arrangements in or on ship testing tanks or water tunnels G01M10/00)}	<administrative transfer to B63B71/20>
D	B63B2009/025	2	{using ice model basins; using non-refrigerated towing tanks or model basins with floating ice covers simulated by other means, e.g. wax}	<administrative transfer to B63B71/20 INV>
D	B63B9/04	1	Rebuilding ships, e.g. increasing tonnage	<administrative transfer to B63B83/00>
D	B63B9/06	1	Methods of building hulls	<administrative transfer to B63B73/00>
D	B63B9/062	2	{by folding (foldable vessels B63B7/00)}	<administrative transfer to B63B73/00>
D	B63B9/065	2	{for floating offshore platforms (grounded platforms E02B17/00)}	<administrative transfer to B63B75/00>
D	B63B2009/067	3	{for assembling offshore structures, e.g. <u>in situ</u> , using buoyancy forces for supporting the structure itself, or part of it, e.g. using barges}	<administrative transfer to B63B75/00 INV>
D	B63B9/08	1	Determining vessel properties with respect to stability or balance	<administrative transfer to B63B79/00>
N	B63B71/00	0	Designing vessels; Predicting their performance	
N	B63B71/10	1	using computer simulation, e.g. finite element method [FEM] or computational fluid dynamics [CFD]	

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
N	B63B71/20	1	using towing tanks or model basins for designing	
Q	B63B73/00	0	Building or assembling vessels or marine structures, e.g. hulls or offshore platforms	B63B73/00, B63B73/10, B63B73/20, B63B73/30, B63B73/40, B63B73/43, B63B73/46, B63B73/50, B63B73/60, B63B73/70, B63B73/72, B63B73/74
N	B63B73/10	1	Building or assembling vessels from prefabricated hull blocks, i.e. complete hull cross-sections	
N	B63B73/20	1	Building or assembling prefabricated vessel modules or parts other than hull blocks, e.g. engine rooms, rudders, propellers, superstructures, berths, holds or tanks	
N	B63B73/30	1	Moving or transporting modules or hull blocks to assembly sites, e.g. by rolling, lifting or floating	
N	B63B73/40	1	characterised by joining methods	
N	B63B73/43	2	Welding, e.g. laser welding	
N	B63B73/46	2	Gluing; Taping; Cold-bonding	
N	B63B73/48	2	{Riveting}	
N	B63B73/49	2	{by means of threaded members, e.g. screws, threaded bolts or nuts}	
N	B63B73/50	1	characterised by forming methods, e.g. manufacturing of curved blocks	
N	B63B73/60	1	characterised by the use of specific tools or equipment; characterised by automation, e.g. use of robots	
N	B63B73/70	1	characterised by using moulds; Moulds or plugs therefor	
N	B63B73/72	2	characterised by plastic moulding, e.g. injection moulding, extrusion moulding or blow moulding	

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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	B63B73/74	2	characterised by lamination of materials	
Q	B63B75/00	0	Building or assembling floating offshore structures, e.g. semi-submersible platforms, SPAR platforms or wind turbine platforms	B63B75/00, B63B77/00, B63B77/10
N	B63B77/00	0	Transporting or installing offshore structures on site using buoyancy forces, e.g. using semi-submersible barges, ballasting the structure or transporting of oil-and-gas platforms	
N	B63B77/10	1	specially adapted for electric power plants, e.g. wind turbines or tidal turbine generators	
Q	B63B79/00	0	Monitoring properties or operating parameters of vessels in operation	B63B71/00, B63B79/00, B63B79/10, B63B79/15, B63B79/20, B63B79/30, B63B79/40
N	B63B79/10	1	using sensors, e.g. pressure sensors, strain gauges or accelerometers	
N	B63B79/15	2	for monitoring environmental variables, e.g. wave height or weather data	
N	B63B79/20	1	using models or simulation, e.g. statistical models or stochastic models	
N	B63B79/30	1	for diagnosing, testing or predicting the integrity or performance of vessels	
N	B63B79/40	1	for controlling the operation of vessels, e.g. monitoring their speed, routing or maintenance schedules	
N	B63B81/00	0	Repairing or maintaining vessels	
Q	B63B83/00	0	Rebuilding or retrofitting vessels, e.g. retrofitting ballast water treatment systems	B63B83/00, B63B83/10, B63B83/20, B63B83/30, B63B83/40
N	B63B83/10	1	for increasing cargo capacity	

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
N	B63B83/20	1	for conversion to a different use, e.g. for converting tankers into a FPSO-FLNG units	
N	B63B83/30	1	for improving energy efficiency, e.g. by improving hydrodynamics or by upgrading the power plant	
N	B63B83/40	1	for reducing risks of pollution or contamination; for improving safety	
N	B63B85/00	0	Dismantling or scrapping vessels	
C	B63B2221/00	0	Methods and means for joining members or elements	B63B2221/00, B63B73/40
C	B63B2221/02	1	by welding	B63B2221/02, B63B73/43
C	B63B2221/04	1	by soldering	B63B2221/04, B63B73/43
C	B63B2221/06	1	by riveting	B63B2221/06, B63B73/48
C	B63B2221/08	1	by means of threaded members, e.g. screws, threaded bolts or nuts	B63B2221/08, B63B73/49
C	B63B2221/10	1	using adhesives	B63B2221/10, B63B73/46

SUBCLASS B63J - AUXILIARIES ON VESSELS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
D	B63J2099/006	1	{Use of computers for particular ship-related tasks, or the like, e.g. for evaluating state variables}	<administrative transfer to B63B79/00 INV>
D	B63J2099/008	2	{for evaluating navigational state variables, e.g. speed, distance, wind parameters, or the like}	<administrative transfer to B63B79/00 INV>

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*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T= existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD> , <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For 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)

SUBCLASS B63B - SHIPS OR OTHER WATERBORNE VESSELS; EQUIPMENT FOR SHIPPING

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	B63B71/00		Group B63B 71/00 is incomplete pending reclassification of documents from group B63B 79/00. Groups B63B 79/00 and B63B 71/00 should be considered in order to perform a complete search.
N	B63B73/00		Group B63B 73/00 is impacted by reclassification into groups B63B 73/10, B63B 73/20, B63B 73/30, B63B 73/40, B63B 73/43, B63B 73/46, B63B 73/50, B63B 73/60, B63B 73/70, B63B 73/72, and B63B 73/74. All groups listed in this Warning should be considered in order to perform a complete search.
N	B63B73/10		Group B63B 73/10 is incomplete pending reclassification of documents from group B63B 73/00. Groups B63B 73/00 and B63B 73/10 should be considered in order to perform a complete search.
N	B63B73/20		Group B63B 73/20 is incomplete pending reclassification of documents from group B63B 73/00. Groups B63B 73/00 and B63B 73/20 should be considered in order to perform a complete search.
N	B63B73/30		Group B63B 73/30 is incomplete pending reclassification of documents from group B63B 73/00. Groups B63B 73/00 and B63B 73/30 should be considered in order to perform a complete search.
N	B63B73/40		Group B63B 73/40 is incomplete pending reclassification of documents from groups B63B 73/00 and B63B 2221/00. Groups B63B 73/00, B63B 2221/00, and B63B 73/40 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	B63B73/43		Group B63B 73/43 is incomplete pending reclassification of documents from groups B63B 73/00, B63B 2221/02, and B63B 2221/04. All groups listed in this Warning should be considered in order to perform a complete search.
N	B63B73/46		Group B63B 73/46 is incomplete pending reclassification of documents from groups B63B 73/00 and B63B 2221/10. Groups B63B 73/00, B63B 2221/10, and B63B 73/46 should be considered in order to perform a complete search.
N	B63B73/48		Group B63B 73/48 is incomplete pending reclassification of documents from group B63B 2221/06. Groups B63B 2221/06 and B63B 73/48 should be considered in order to perform a complete search.
N	B63B73/49		Group B63B 73/49 is incomplete pending reclassification of documents from group B63B 2221/08. Groups B63B 2221/08 and B63B 73/49 should be considered in order to perform a complete search.
N	B63B73/50		Group B63B 73/50 is incomplete pending reclassification of documents from group B63B 73/00. Groups B63B 73/00 and B63B 73/50 should be considered in order to perform a complete search.
N	B63B73/60		Group B63B 73/60 is incomplete pending reclassification of documents from group B63B 73/00. Groups B63B 73/00 and B63B 73/60 should be considered in order to perform a complete search.
N	B63B73/70		Groups B63B 73/70-B63B73/74 are incomplete pending reclassification of documents from group B63B 73/00. All groups listed in this Warning 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	B63B75/00		Group B63B 75/00 is impacted by reclassification into groups B63B 77/00 and B63B 77/10. Groups B63B 75/00, B63B 77/00, and B63B 77/10 should be considered in order to perform a complete search.
N	B63B77/00		Groups B63B 77/00 and B63B77/10 are incomplete pending reclassification of documents from group B63B 75/00. Groups B63B 75/00, B63B 77/00 and B63B77/10 should be considered in order to perform a complete search.
N	B63B79/00		Group B63B 79/00 is impacted by reclassification into groups B63B 71/00, B63B 79/10, B63B 79/15, B63B 79/20, B63B 79/30, and B63B 79/40. All groups listed in this Warning should be considered in order to perform a complete search.
N	B63B79/10		Groups B63B 79/10 and B63B 79/15 are incomplete pending reclassification of documents from group B63B 79/00. Groups B63B 79/00, B63B 79/10, and B63B 79/15 should be considered in order to perform a complete search.
N	B63B79/20		Group B63B 79/20 is incomplete pending reclassification of documents from group B63B 79/00. Groups B63B 79/00 and B63B 79/20 should be considered in order to perform a complete search.
N	B63B79/30		Group B63B 79/30 is incomplete pending reclassification of documents from group B63B 79/00. Groups B63B 79/00 and B63B 79/30 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	B63B79/40		Group B63B 79/40 is incomplete pending reclassification of documents from group B63B 79/00. Groups B63B 79/00 and B63B 79/40 should be considered in order to perform a complete search.
N	B63B83/00		Group B63B 83/00 is impacted by reclassification into groups B63B 83/10, B63B 83/20, B63B 83/30, and B63B 83/40. All groups listed in this Warning should be considered in order to perform a complete search.
N	B63B83/10		Group B63B 83/10 is incomplete pending reclassification of documents from group B63B 83/00. Groups B63B 83/00 and B63B 83/10 should be considered in order to perform a complete search.
N	B63B83/20		Group B63B 83/20 is incomplete pending reclassification of documents from group B63B 83/00. Groups B63B 83/00 and B63B 83/20 should be considered in order to perform a complete search.
N	B63B83/30		Group B63B 83/30 is incomplete pending reclassification of documents from group B63B 83/00. Groups B63B 83/00 and B63B 83/30 should be considered in order to perform a complete search.
N	B63B83/40		Group B63B 83/40 is incomplete pending reclassification of documents from group B63B 83/00. Groups B63B 83/00 and B63B 83/40 should be considered in order to perform a complete search.
N	B63B2221/00		Group B63B 2221/00 is impacted by reclassification into group B63B 73/40. Groups B63B 2221/00 and B63B 73/40 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	B63B2221/02		Group B63B 2221/02 is impacted by reclassification into group B63B 73/43. Groups B63B 2221/02 and B63B 73/43 should be considered in order to perform a complete search.
N	B63B2221/04		Group B63B 2221/04 is impacted by reclassification into group B63B 73/43. Groups B63B 2221/04 and B63B 73/43 should be considered in order to perform a complete search.
N	B63B2221/06		Group B63B 2221/06 is impacted by reclassification into group B63B 73/48. Groups B63B 2221/06 and B63B 73/48 should be considered in order to perform a complete search.
N	B63B2221/08		Group B63B 2221/08 is impacted by reclassification into group B63B 73/49. Groups B63B 2221/08 and B63B 73/49 should be considered in order to perform a complete search.
N	B63B2221/10		Group B63B 2221/10 is impacted by reclassification into group B63B 73/46. Groups B63B 2221/10 and B63B 73/46 should be considered in order to perform a complete search.
M	B63B2701/00	Groups B63B2701/00 - B63B2770/00 are no longer used for the classification of documents as of May 1, 2019. The content of these groups is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	Replace: The typo “these” with “these” and the existing symbol B63J2099/008 with the new symbol B63J2099/005 so that the Warning reads as follows. Groups B63B2701/00 – B63B2770/00 are no longer used for the classification of documents as of May 1, 2019. The content of these groups is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 – B63C15/00, B63G1/00 – B63G2013/027, B63H1/00 – B63H25/52, B63J1/00 – B63J2099/005. All groups listed in this Warning 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>
M	B63B2702/00	Groups B63B2702/00 - B63B2702/14 are no longer used for the classification of documents as of May 1, 2019. The content of these groups is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2704/00	Group B63B2704/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2705/00	Group B63B2705/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63B2707/00	Group B63B2707/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2708/00	Groups B63B2708/00 - B63B2708/02 is no longer used for the classification of documents as of May 1, 2019. The content of these groups is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2709/00	Group B63B2709/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63B2710/00	Group B63B2710/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2711/00	Group B63B2711/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2712/00	Group B63B2712/00 - B63B2712/02 are no longer used for the classification of documents as of May 1, 2019. The content of these groups is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63B2713/00	Group B63B2713/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2714/00	Groups B63B2714/00 - B63B2714/02 are no longer used for the classification of documents as of May 1, 2019. The content of these groups is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2715/00	Group B63B2715/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63B2716/00	Group B63B2716/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2717/00	Group B63B2717/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2718/00	Group B63B2718/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63B2719/00	Group B63B2719/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2721/00	Groups B63B2721/00 - B63B2721/02 are no longer used for the classification of documents as of May 1, 2019. The content of these groups is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2722/00	Group B63B2722/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63B2723/00	Group B63B2723/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2724/00	Group B63B2724/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2725/00	Group B63B2725/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63B2726/00	Group B63B2726/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2727/00	Groups B63B2727/00 - B63B2727/02 are no longer used for the classification of documents as of May 1, 2019. The content of these groups is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2730/00	Groups B63B2730/00 - B63B2730/02 are no longer used for the classification of documents as of May 1, 2019. The content of these groups is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63B2731/00	Group B63B2731/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2732/00	Group B63B2732/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2733/00	Group B63B2733/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63B2734/00	Group B63B2734/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2735/00	Group B63B2735/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2736/00	Group B63B2736/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63B2737/00	Group B63B2737/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2738/00	Group B63B2738/00 - B63B2738/12 is no longer used for the classification of documents as of May 1, 2019. The content of these groups is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2739/00	Group B63B2739/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63B2741/00	Group B63B2741/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2742/00	Groups B63B2742/00 - B63B2742/02 are no longer used for the classification of documents as of May 1, 2019. The content of these groups is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2743/00	Group B63B2743/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63B2744/00	Group B63B2744/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2745/00	Groups B63B2745/00 - B63B2745/04 are no longer used for the classification of documents as of May 1, 2019. The content of these groups is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2746/00	Group B63B2746/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63B2747/00	Groups B63B2747/00 - B63B2747/02 are no longer used for the classification of documents as of May 1, 2019. The content of these groups is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2748/00	Group B63B2748/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00-B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2749/00	Group B63B2749/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63B2750/00	Group B63B2750/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2751/00	Group B63B2751/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2752/00	Group B63B2752/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63B2753/00	Group B63B2753/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2754/00	Group B63B2754/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2755/00	Group B63B2755/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63B2756/00	Group B63B2756/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2757/00	Group B63B2757/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2758/00	Group B63B2758/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63B2759/00	Group B63B2759/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2760/00	Group B63B2760/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .
M	B63B2770/00	Group B63B2770/00 is no longer used for the classification of documents as of May 1, 2019. The content of this group is being reclassified into groups B63B1/00 - B63B2241/28, B63C1/00 - B63C15/00, B63G1/00 - B63G2013/027, B63H1/00 - B63H25/52, B63J1/00 - B63J2099/008. All groups listed in this Warning should be considered in order to perform a complete search.	<u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005 .

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SUBCLASS B63J - AUXILIARIES ON VESSELS

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	B63J	<p>In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.</p> <p>Groups B63J1/00 - B63J2099/008 are incomplete pending reclassification of documents from groups B63B2701/00 - B63B2770/00. All groups listed in this Warning should be considered in order to perform a complete search.</p>	<p><u>Replace:</u> The existing symbol B63J2099/008 with the new symbol B63J2099/005.</p>

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

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

2. A. DEFINITIONS (new)

Insert: The following new Definitions.

B63B 71/00

References

Informative references

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

Shuttering for building concrete vessels	E04G
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B63B 71/10

References

Informative references

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

Computer-aided design in general	G06F 30/00
Computer simulations using the finite difference method	G06F 30/23
Computer-aided vehicle design, in general	G06F 30/15

Glossary of terms

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

FEM	Finite Element Method
CFD	Computational Fluid Dynamics

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B63B 71/20**References*****Informative references***

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

Testing static or dynamic balance of machines or structures in general	G01M 1/00
Hydrodynamic testing; Arrangements in or on ship-testing tanks	G01M 10/00

B63B 73/00**Definition statement**

This place covers:

Methods to manufacture vessel hulls or marine structures, e.g. manufacturing of modules or hull blocks with subsequent assembling in dock.

References***Informative references***

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

Structure of hulls	B63B 3/00
Non-metallic hulls	B63B 5/00
Dry-docking	B63C 1/00
Slipways	B63C 3/00
Shuttering for building concrete vessels	E04G

Special rules of classification

Methods to manufacture floating marine structures, e.g. floating offshore platforms are classified in [B63B 75/00](#). Artificial islands mounted on piles or like supports, e.g. platforms on raisable legs or offshore constructions and their construction methods are classified in [E02B 17/00](#).

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B63B 73/10**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Hulls assembled from pre-fabricated sub-units	B63B 3/02
Hulls assembled from permanently connected and prefabricated sub-units	B63B 3/04
Building or assembling floating offshore platforms	B63B 75/00

B63B 73/20**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Structure of hull parts	B63B 3/14
Construction or arrangement of cabins or other living spaces	B63B 29/02

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B63B 73/50**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Bending sheet metal along straight lines	B21D 5/00
Cold-forming specific parts of vehicle	B21D 53/88
Hull shells	B63B 3/16
Foldable vessels	B63B 7/00

B63B 73/60**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Equipment usable on slipways and in dry docks	B63 C5/00
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B63B 73/70**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Moulds or cores	B29C 33/00
Hulls made predominantly of plastics	B63B 5/24

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B63B 73/72

References

Informative references

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

Moulds or cores	B29C 33/00
Injection moulding	B29C 45/00
Extrusion moulding	B29C 48/00
Hulls made predominantly of plastics	B63B 5/24

B63B 73/74

References

Informative references

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

Layered products essentially comprising synthetic resin	B32B 27/00
Hulls made predominantly of plastics	B63B 5/24

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B63B 75/00**References*****Informative references***

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

Floating offshore structures	B63B 35/44
Platform mounted on piles or like supports	E02B 17/00
Arrangements for mounting or supporting wind motors, specially adapted for offshore installation	F03D 13/25

Glossary of terms

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

SPAR	Single Point Anchor Reservoir: a SPAR is a cylindrical, partially submerged offshore drilling and production platform that is particularly well-adapted to deep water.
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B63B 77/00**Definition statement***This place covers:*

E.g. transporting or installing floating offshore platforms on site by means of specially adapted marine structures, e.g. by means of barges or heavy-lift vessels, able to sink and be placed under the platform and then to lift the platform using floating equipment, e.g. using ballasts.

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

Barges or lighters	B63B 35/28
Gripping or handling tubes	B66C 1/56
Floating cranes	B66C 23/52
Platforms placed by lifting and lowering the supporting construction to the bottom	E02B 17/02

B63B 77/10**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Assembly of wind motors; Arrangements for erecting wind motors	F03D 13/10
Arrangements specially adapted for offshore installation of wind turbine	F03D 13/25
Commissioning, e.g. inspection, testing or final adjustment before releasing for production	F03D 13/30
Arrangements or methods specially adapted for transporting wind motor components	F03D 13/40
Mounting wind motors on a structure floating on a liquid surface	F05B 2240/93

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B63B 79/00**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Equipment to decrease pitch, roll, or like unwanted vessel movements; Apparatus for indicating vessel attitude	B63B 39/00
Designing vessels; Predicting their performance	B63B 71/00

B63B 79/10**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Optical strain gauge	G01B 11/16
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B63B 79/15**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Lidar	G01S 17/00
Radar for specific applications	G01S 13/88

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B63B 79/20

References

Informative references

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

Digital computing specially adapted for specific functions	G06F 17/00
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B63B 79/30

Definition statement

This place covers:

Monitoring in order e.g. to determine fatigue, to predict failure, to predict life time of vessel parts or for safety

References

Informative references

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

Testing or monitoring of control systems or parts thereof	G05B 23/00
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B63B 79/40**Definition statement***This place covers:*

Monitoring in order to determine e.g. speed, routing, maintenance schedules, energy saving, fuel economy

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

Arrangement of nautical instruments	B63B 49/00
Instruments for performing navigational calculations	G01C 21/20
Control of position, course, altitude, or attitude of land, water, air, or space vehicles, e.g. automatic pilot	G05D 1/00
Traffic control systems for marine crafts	G08G 3/00

B63B 81/00**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Dry-docking	B63C 1/00
Salvaging vessels	B63C 7/00

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B63B 83/10**Glossary of terms**

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

Tonnage	cargo capacity
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B63B 83/20**Glossary of terms**

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

FPSO	Floating Production, Storage and Offloading
FLNG	Floating Liquefied Natural Gas

B63B 83/40**References*****Informative references***

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

Double bottom tanks	B63B 3/62
Arrangement for minimizing pollution by collision	B63B 43/18

2. A. DEFINITIONS (Modified)

B63B

Definition statement

Replace: The bullet point that reads “Construction of hulls,” found under the subheading “Details of hulls, hydrofoils and keels”, with the following new bullet point.

- Hulls characterised by their structure or component parts

Replace: The existing list of bullet points found under the subheading “Other” so that it reads as follows.

- Water sports boards and accessories therefor
- Vessels specially adapted for water sports or leisure
- Body-supporting devices specially adapted for water sports or leisure
- Vessels or similar floating structures adapted for special purposes and not otherwise provided for
- Designing vessels and Predicting their performance
- Building or assembling vessels or marine structures, e.g. hulls or offshore platforms
- Building or assembling floating offshore structures, e.g. semi-submersible platforms, SPAR platforms or wind turbine platforms
- Transporting or installing offshore structures on site using buoyancy forces, e.g. using semi-submersible barges, ballasting the structure or transporting of oil-and-gas platforms
- Monitoring properties or operating parameters of vessels in operation
- Repairing or maintaining vessels
- Rebuilding or retrofitting vessels, e.g. retrofitting ballast water treatment systems
- Dismantling or scrapping vessels
- Equipment for shipping not otherwise provided for, whereby shipping is interpreted in its broadest sense within the naval context.

References

Limiting references:

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

Arrangements of vessel ventilation, heating, cooling, or air-conditioning	B63J 2/00
Floating substructures as supports of dredgers or soil-shifting machines	E02F 9/06

Application-oriented references:

Insert: The following new table row into the Application-oriented references table.

Amphibious vehicles	B60F 3/00
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Informative references:

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

Launching, hauling-out, or dry-docking of vessels; Life-saving in water; Equipment for dwelling or working under water; Means for salvaging; Means for searching for underwater objects	B63C
Offensive or defensive arrangements on vessels; Mine-laying; Mine-sweeping; Submarines; Aircraft carriers	B63G
Marine propulsion, steering or dynamic positioning	B63H
Arrangements on vessels of installations for producing fresh water; Arrangements on vessels of ventilation, heating, cooling, or air-conditioning; Driving of vessel auxiliaries; Arrangements on vessels of installations for treating wastewater or sewage; Vessel auxiliaries not otherwise provided for	B63J

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B63B 1/00**References****Limiting references:****Replace:** The existing Limiting references table with the following new table.

Construction of hulls peculiar to submarines	B63B 3/13
Construction of keels	B63B 3/38

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

Shaft brackets	B63B 3/42
Designing vessels; Predicting their performance	B63B 71/00
Icebreakers, or other icebreaking vessels	B63B 35/08
Spar-type semi-submersible structures for special purposes, e.g. platforms for drilling	B63B 35/44
Equipment to decrease vessel movements by using foils acting on ambient water, e.g. by using trimflaps or having a variable cross section	B63B 39/06
Air pockets for supporting the hull or for improving buoyancy	B63B 43/12
Improving safety of vessels by preventing collision or grounding, or by reducing collision damage (in general)	B63B 43/18
Buoyant wheels	B60B 19/06
Convertible vehicles, i.e. vehicles capable of travelling in or on different media, e.g. amphibious vehicles;	B60F
Air-cushion vehicles	B60V
Bringing air into sunken vessels or objects for lifting	B63C 7/12
Air pockets in submarines	B63G 8/14
Rudders, e.g. with flaps or changing geometry	B63H 25/38

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Water flotation gear for lighter-than-air aircraft	B64B 1/68
Aircraft alighting gear comprising floats	B64C 25/54
Flying-boats; Flying boat hulls; Seaplanes	B64C 35/00
Emergency flotation gear for aircraft	B64D 25/18
Marine torpedoes	F42B 19/00
Control of course, position, or attitude of waterborne vehicles	G05D 1/00
Improving hydrodynamics of hull (automatically allocated indexing code)	Y02T 70/12

B63B 3/00**References****Limiting references:**

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

Hulls characterised by their construction of non-metallic material	B63B 5/00
Wooden planking of decks	B63B 5/06
Designing vessels; Predicting their performance	B63B 71/00
Building or assembling vessels or marine structures, e.g. hulls or offshore platforms	B63B 73/00
Building or assembling floating offshore structures, e.g. semi-submersible platforms, SPAR platforms or wind turbine platforms	B63B 75/00
Transporting or installing offshore structures on site using buoyancy forces, e.g. using semi-submersible barges, ballasting the structure or transporting of oil-and-gas platforms	B63B 77/00
Monitoring properties or operating parameters of vessels in operation	B63B 79/00
Repairing or maintaining vessels	B63B 81/00
Rebuilding or retrofitting vessels, e.g. retrofitting ballast water treatment systems	B63B 83/00

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Informative references:

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

Collapsible, foldable, inflatable or like vessels	B63B 7/00
Arrangements or adaptations of ports, doors, windows, port-holes, hatches, hatchways, or other openings or covers	B63B 19/00
Equipment or arrangements for tying-up, towing or anchoring, e.g. anchor winches, mooring turrets, or towing hooks	B63B 21/00
Detachable decks	B63B 25/18
Foldable pontoons	B63B 35/36
Stabilising aspects of bilge keels	B63B 39/06
Drop keels, e.g. centre boards, side boards	B63B 41/00
Improving safety of vessels by reducing risk of capsizing or sinking, e.g. by improving stability or by improving buoyancy	B63B 43/02
Arrangements of watertight doors in bulkheads	B63B 43/24
Arrangements of guns or missile launchers	B63G 1/00
Waterjet-propulsion by means of magneto-hydrodynamic forces	B63H 11/025
Mounting of propulsion power plants or units, e.g. for anti-vibration purposes	B63H 21/30
Bearings or seals specially adapted for propeller shafts	B63H 23/32
Propeller shaft tubes	B63H 23/36

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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>
B63B9/00			<u>Delete</u> : The <u>entire</u> definition.
B63B21/00	Limiting references		<u>Delete</u> : The following row from the Limiting references table. Installation of floating offshore structures or the like involving assembly of hull components on site B63B 9/065
B63B21/00	Informative references		<u>Insert</u> : The following new row into the Informative references table. Installation of floating offshore structures or the like involving assembly of hull components on site B63B 75/00

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)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	B63B 9/00	<administrative transfer to B63B 71/00>
D	B63B 9/001	<administrative transfer to B63B 71/00>
D	B63B 9/002	<administrative transfer to B63B 71/10>
D	B63B 9/003	<administrative transfer to B63B 71/10>
D	B63B 2009/005	<administrative transfer to B63B 85/00 INV>
D	B63B 2009/006	<administrative transfer to B63B 85/00 INV>
D	B63B 2009/007	<administrative transfer to B63B 85/00 INV>
D	B63B 2009/008	<administrative transfer to B63B 81/00 INV>
D	B63B 9/02	<administrative transfer to B63B 71/20>
D	B63B 2009/025	<administrative transfer to B63B 71/20 INV>
D	B63B 9/04	<administrative transfer to B63B 83/00>
D	B63B 9/06	<administrative transfer to B63B 73/00>
D	B63B 9/062	<administrative transfer to B63B 73/00>
D	B63B 9/065	<administrative transfer to B63B 75/00>
D	B63B 2009/067	<administrative transfer to B63B 75/00 INV>
D	B63B 9/08	<administrative transfer to B63B 79/00>
Q	B63B 73/00	B63B 73/00, B63B 73/10, B63B 73/20, B63B 73/30, B63B 73/40, B63B 73/43, B63B 73/46, B63B 73/50, B63B 73/60, B63B 73/70, B63B 73/72, B63B 73/74
Q	B63B 75/00	B63B 75/00, B63B 77/00, B63B 77/10
Q	B63B 79/00	B63B 71/00, B63B 79/00, B63B 79/10, B63B 79/15, B63B 79/20, B63B 79/30, B63B 79/40
Q	B63B 83/00	B63B 83/00, B63B 83/10, B63B 83/20, B63B 83/30, B63B 83/40
C	B63B 2221/00	B63B 2221/00, B63B 73/40
C	B63B 2221/02	B63B 2221/02, B63B 73/43
C	B63B 2221/04	B63B 2221/04, B63B 73/43
C	B63B 2221/06	B63B 2221/06, B63B 73/48
C	B63B 2221/08	B63B 2221/08, B63B 73/49
C	B63B 2221/10	B63B 2221/10, B63B 73/46
D	B63J 2099/006	<administrative transfer to B63B 79/00 INV>
D	B63J 2099/008	<administrative transfer to B63B 79/00 INV>

* 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.
- 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>.

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- 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>
B63B 9/00		DELETE
B63B 9/001		DELETE
B63B 9/002		DELETE
B63B 9/003		DELETE
B63B 2009/005		DELETE
B63B 2009/006		DELETE
B63B 2009/007		DELETE
B63B 2009/008		DELETE
B63B 9/02		DELETE
B63B 2009/025		DELETE
B63B 9/04		DELETE
B63B 9/06		DELETE
B63B 9/062		DELETE
B63B 9/065		DELETE
B63B 2009/067		DELETE
B63B 9/08		DELETE
B63B 71/00	B63B 71/00	NEW
B63B 71/10	B63B 71/10	NEW
B63B 71/20	B63B 71/20	NEW
B63B 73/00	B63B 73/00	NEW
B63B 73/10	B63B 73/10	NEW
B63B 73/20	B63B 73/20	NEW
B63B 73/30	B63B 73/30	NEW
B63B 73/40	B63B 73/40	NEW
B63B 73/43	B63B 73/43	NEW
B63B 73/46	B63B 73/46	NEW
B63B 73/48	B63B 73/40	NEW
B63B 73/49	B63B 73/40	NEW
B63B 73/50	B63B 73/50	NEW
B63B 73/60	B63B 73/60	NEW
B63B 73/70	B63B 73/70	NEW
B63B 73/72	B63B 73/72	NEW
B63B 73/74	B63B 73/74	NEW
B63B 75/00	B63B 75/00	NEW
B63B 77/00	B63B 77/00	NEW
B63B 77/10	B63B 77/10	NEW
B63B 79/00	B63B 79/00	NEW
B63B 79/10	B63B 79/10	NEW
B63B 79/15	B63B 79/15	NEW
B63B 79/20	B63B 79/20	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B63B 79/30	B63B 79/30	NEW
B63B 79/40	B63B 79/40	NEW
B63B 81/00	B63B 81/00	NEW
B63B 83/00	B63B 83/00	NEW
B63B 83/10	B63B 83/10	NEW
B63B 83/20	B63B 83/20	NEW
B63B 83/30	B63B 83/30	NEW
B63B 83/40	B63B 83/40	NEW
B63B 85/00	B63B 85/00	NEW
B63J 2099/006		DELETE
B63J 2099/008		DELETE

*Action column:

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

NOTES:

- F symbols are not included in the CICAL table above.
- T and M symbols are not included in the CICAL 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>
B63B35/44	B63B9/065	Replace: The existing symbol B63B9/065 with the new symbol B63B75/00 .
E02B1/02	B63B9/02	Replace: The existing symbol B63B9/02 with the new symbol B63B71/20 .
E02B17/00	B63B9/065	Replace: The existing symbol B63B9/065 with the new symbol B63B75/00 .

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>
B29C73/00	B63B9/04	Informative references	Replace: The existing symbol B63B9/04 with the new symbol B63B83/00 .
B60V	B63B9/00	Informative references	Replace: The existing symbol B63B9/00 with the symbol range B63B71/00 - B63B85/00 .
B60V	B63B9/00	Relationship	Replace: The existing symbol B63B9/00 with the symbol range B63B71/00 - B63B85/00 .
B63B5/00	B63B9/00	Informative references	Replace: The existing symbol B63B9/00 with the symbol range B63B71/00 - B63B85/00 .

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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>
B63B35/00	B63B9/065	Informative references	<u>Replace</u> : The existing symbol B63B9/065 with the new symbol B63B75/00 .
B63B35/00	B63B9/065	Relationship	<u>Replace</u> : The existing symbol B63B9/065 with the new symbol B63B75/00 .
E02B17/00	B63B9/06	Limiting references	<u>Replace</u> : The existing symbol B63B9/06 with the new symbol B63B73/00 .
G01M1/00	B63B9/08	Application-oriented references	<u>Replace</u> : The existing table row that reads “Determining vessel properties with respect to stability or balance B63B9/08” with the following new entry. Monitoring properties or operating parameters of vessels in operation B63B79/00

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.