

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1565

DATE: JANUARY 1, 2024

PROJECT MP11853

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Titles Changed:	A61K	31/197, 31/198
	A61K	38/25, 38/27, 38/29, 38/30
	B01J	29/83, 29/85
	C01B	37/04, 37/08
	C01G	21/04, 21/06, 21/08, 21/10
	C01G	49/04, 49/06, 49/08
	C07F	9/30, 9/38, 9/46, 9/48
	C07K	14/155, 14/325, 14/485, 14/50, 14/59, 14/60, 14/61, 14/635, 14/65, 14/78
	C09F	SUBCLASS
	C09F	9/00
	C12C	7/14
	F16F	15/305
	G05B	19/418
	H01J	1/312
	H04L	12/413
Notes Modified:	B65D	SUBCLASS
DEFINITIONS:		
Definitions Modified:	C01G	49/06, 49/08
	C09F	SUBCLASS

No other subclasses/groups are impacted by this Notice of Changes.

This Notice of Changes includes the following *[Check the ones included]:*

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

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3. REVISION CONCORDANCE LIST (RCL)
4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

A61K- PREPARATIONS FOR MEDICAL, DENTAL OR TOILETRY PURPOSES

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
M	A61K 31/197	4	the amino and the carboxyl groups being attached to the same acyclic carbon chain, e.g. gamma-aminobutyric acid [GABA], beta-alanine, epsilon-aminocaproic acid or pantothenic acid (carnitine A61K 31/205)	
M	A61K 31/198	5	Alpha-amino acids, e.g. alanine or edetic acid [EDTA] (betaine A61K 31/205; proline A61K 31/401; tryptophan A61K 31/405; histidine A61K 31/4172; peptides not degraded to individual amino acids A61K 38/00)	
M	A61K 38/25	4	Growth hormone-releasing factor [GH-RF], i.e. somatoliberin	
M	A61K 38/27	4	Growth hormone [GH], i.e. somatotropin	
M	A61K 38/29	4	Parathyroid hormone, i.e. parathormone; Parathyroid hormone-related peptides	
M	A61K 38/30	4	Insulin-like growth factors, i.e. somatomedins, e.g. IGF-1, IGF-2 {(insulin-like growth factor binding protein A61K 38/1754)}	

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B01J CHEMICAL OR PHYSICAL PROCESSES, e.g. CATALYSIS OR COLLOID CHEMISTRY; THEIR RELEVANT APPARATUS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
M	B01J 29/83	2	Aluminophosphates [APO compounds]	
M	B01J 29/85	3	Silicoaluminophosphates [SAPO compounds]	

C01B NON-METALLIC ELEMENTS; COMPOUNDS THEREOF; {METALLOIDS OR COMPOUNDS THEREOF NOT COVERED BY SUBCLASS C01C}

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
M	C01B 37/04	1	Aluminophosphates [APO compounds]	
M	C01B 37/08	2	Silicoaluminophosphates [SAPO compounds] {, e.g. CoSAPO}	

C01G COMPOUNDS CONTAINING METALS NOT COVERED BY SUBCLASSES C01D OR C01F

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
M	C01G 21/04	2	Lead suboxide [Pb ₂ O]	
M	C01G 21/06	2	Lead monoxide [PbO]	
M	C01G 21/08	2	Lead dioxide [PbO ₂]	
M	C01G 21/10	2	Red lead [Pb ₃ O ₄]	
M	C01G 49/04	2	Ferrous oxide [FeO]	
M	C01G 49/06	2	Ferric oxide [Fe ₂ O ₃]	
M	C01G 49/08	2	Ferroso-ferric oxide [Fe ₃ O ₄]	

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**C07F ACYCLIC, CARBOCYCLIC OR HETEROCYCLIC COMPOUNDS
CONTAINING ELEMENTS OTHER THAN CARBON, HYDROGEN, HALOGEN,
OXYGEN, NITROGEN, SULFUR, SELENIUM OR TELLURIUM**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
M	C07F 9/30	3	Phosphinic acids [R ₂ P(=O)(OH)]; Thiophosphinic acids { ; [R ₂ P(=X ₁)(X ₂ H) (X ₁ , X ₂ are each independently O, S or Se)]}	
M	C07F 9/38	3	Phosphonic acids [RP(=O)(OH) ₂]; Thiophosphonic acids { ; [RP(=X ₁)(X ₂ H) ₂ (X ₁ , X ₂ are each independently O, S or Se)]}	
M	C07F 9/46	3	Phosphinous acids [R ₂ POH], [R ₂ P(=O)H]; Thiophosphinous acids {including [R ₂ PSH]; [R ₂ P(=S)H]; Aminophosphines [R ₂ PNH ₂]; Derivatives thereof}	
M	C07F 9/48	3	Phosphonous acids [RP(OH) ₂] {including [RHP(=O)(OH)]}; Thiophosphonous acids {including [RP(SH) ₂], [RHP(=S)(SH)]; Derivatives thereof }	

C07K PEPTIDES

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
M	C07K 14/155	4	Lentiviridae, e.g. human immunodeficiency virus [HIV], visna-maedi virus or equine infectious anaemia virus	
M	C07K 14/325	3	Bacillus thuringiensis crystal peptides, i.e. delta-endotoxins	
M	C07K 14/485	3	Epidermal growth factor [EGF], i.e. urogastrone	
M	C07K14/50	3	Fibroblast growth factor [FGF]	
M	C07K 14/59	3	Follicle-stimulating hormone [FSH]; Chorionic gonadotropins, e.g. hCG [human chorionic gonadotropin]; Luteinising hormone [LH]; Thyroid-stimulating hormone [TSH]	
M	C07K 14/60	3	Growth hormone-releasing factor [GH-RF], i.e. somatoliberin	
M	C07K 14/61	3	Growth hormone [GH], i.e. somatotropin	

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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>
M	C07K 14/635	3	Parathyroid hormone, i.e. parathormone; Parathyroid hormone-related peptides	
M	C07K 14/65	3	Insulin-like growth factors, i.e. somatomedins, e.g. IGF-1, IGF-2	
M	C07K 14/78	2	Connective tissue peptides, e.g. collagen, elastin, laminin, fibronectin, vitronectin or cold insoluble globulin [CIG]	

C09F NATURAL RESINS; FRENCH POLISH; DRYING-OILS; DRIERS (SICCATIVES); TURPENTINE

<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	C09F	SUBCLASS	NATURAL RESINS; FRENCH POLISH; DRYING-OILS; OIL DRYING AGENTS, i.e. SICCATIVES; TURPENTINE	
M	C09F 9/00	0	Compounds to be used as driers, i.e. siccatives	

C12C BEER; PREPARATION OF BEER BY FERMENTATION

<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	C12C 7/14	1	Lautering, i.e. clarifying wort	

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F16F SPRINGS; SHOCK-ABSORBERS; MEANS FOR DAMPING VIBRATION

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
M	F16F15/305	2	made of plastics, e.g. fibre reinforced plastics [FRP] {, i.e. characterised by their special construction from such materials }	

G05B CONTROL OR REGULATING SYSTEMS IN GENERAL; FUNCTIONAL ELEMENTS OF SUCH SYSTEMS; MONITORING OR TESTING ARRANGEMENTS FOR SUCH SYSTEMS OR ELEMENTS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
M	G05B19/418	2	Total factory control, i.e. centrally controlling a plurality of machines, e.g. direct or distributed numerical control [DNC], flexible manufacturing systems [FMS], integrated manufacturing systems [IMS] or computer integrated manufacturing [CIM]	

H01J ELECTRIC DISCHARGE TUBES OR DISCHARGE LAMPS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
M	H01J 1/312	3	having an electric field perpendicular to the surface, e.g. tunnel-effect cathodes of metal-insulator-metal [MIM] type {(H01J 1/304- H01J1/308 take precedence)}	

H04L TRANSMISSION OF DIGITAL INFORMATION, e.g. TELEGRAPHIC COMMUNICATION

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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> “CPC only” text should normally be enclosed in {curly brackets}**	<u>Transferred to#</u>
M	H04L 12/413	4	with random access, e.g. carrier-sense multiple-access with collision detection [CSMA-CD]	

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

B65D CONTAINERS FOR STORAGE OR TRANSPORT OF ARTICLES OR MATERIALS, e.g. BAGS, BARRELS, BOTTLES, BOXES, CANS, CARTONS, CRATES, DRUMS, JARS, TANKS, HOPPERS, FORWARDING CONTAINERS; ACCESSORIES, CLOSURES, OR FITTINGS THEREFOR; PACKAGING ELEMENTS; PACKAGES

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	B65D	<ol style="list-style-type: none"> 1. In this subclass, the indexing codes of B65D 25 19/00004 - B65D 25 19/00995 should be added, if applicable 2. This subclass <u>covers</u>: <ul style="list-style-type: none"> • containers, packaging elements or packages with auxilliary means or provisions for displaying articles or materials; • methods of packaging which are wholly characterised by the form of the package produced or the form of the container or packaging element used, as distinct from the operations performed or the apparatus employed, which are covered by subclass B65B 3. This subclass, which is intended to be as comprehensive as possible, only excludes containers or packages of a nature clearly confined to a single other subclass, which are classified in that subclass 4. In this subclass, groups B65D 5/00, B65D 27/00, B65D 29/00, B65D 31/00 or B65D 65/00 include constructional features of foldable or erectable container or wrapper blanks as well as the containers or wrappers formed by folding or erecting such blanks 5. Containers, packaging elements or packages classified in group B65D 85/00, are also classified according to the 	<ol style="list-style-type: none"> 1. In this subclass, the indexing codes of B65D 25 19/00004 - B65D 25 19/00995 should be added, if applicable 2. This subclass <u>covers</u>: <ul style="list-style-type: none"> • containers, packaging elements or packages with auxilliary means or provisions for displaying articles or materials; • methods of packaging which are wholly characterised by the form of the package produced or the form of the container or packaging element used, as distinct from the operations performed or the apparatus employed, which are covered by subclass B65B 3. This subclass, which is intended to be as comprehensive as possible, only excludes containers or packages of a nature clearly confined to a single other subclass, which are classified in that subclass 4. In this subclass, groups B65D 5/00, B65D 27/00, B65D 29/00, B65D 31/00 or B65D 65/00 include constructional features of foldable or erectable container or wrapper blanks as well as the containers or wrappers formed by folding or erecting such blanks 5. Containers, packaging elements or packages classified in group B65D 85/00, are also classified according to the constructional or functional

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<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
		<p>constructional or functional features, if such features are of interest</p> <p>6. In this subclass, the following terms or expressions are used with the meanings indicated:</p> <ul style="list-style-type: none"> • "rigid or semi-rigid containers" includes: <ol style="list-style-type: none"> a. containers not deformed by, or not taking-up the shape of, their contents; b. containers adapted to be temporarily deformed to expel their contents; c. pallets; d. trays; • "flexible containers" includes: <ol style="list-style-type: none"> a. containers deformed by, or taking-up the shape of, their contents; b. containers adapted to be permanently deformed to expel their contents; • "packaging elements" includes: <ol style="list-style-type: none"> a. elements, other than containers, for covering, protecting, stiffening, or holding together articles or materials to be stored or transported; b. packaging materials of special type or form not provided for in 	<p>features, if such features are of interest</p> <p>6. In this subclass, the following terms or expressions are used with the meanings indicated:</p> <ul style="list-style-type: none"> • "rigid or semi-rigid containers" includes: <ol style="list-style-type: none"> a. containers not deformed by, or not taking-up the shape of, their contents; b. containers adapted to be temporarily deformed to expel their contents; c. pallets; d. trays; • "flexible containers" includes: <ol style="list-style-type: none"> a. containers deformed by, or taking-up the shape of, their contents; b. containers adapted to be permanently deformed to expel their contents; • "packaging elements" includes: <ol style="list-style-type: none"> a. elements, other than containers, for covering, protecting, stiffening, or holding together articles or materials to be stored or transported; b. packaging materials of special type or form not provided for in other subclasses; • "packages" includes:

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<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
		<p>other subclasses;</p> <ul style="list-style-type: none"> • "packages" includes: <ul style="list-style-type: none"> a. combination of containers or packaging elements with articles or materials to be stored or transported: b. articles joined together for convenience of storage or transport; • "paper" includes materials, e.g. cardboard, plastic sheet materials, laminated materials, or metal foils, worked in a manner analogous to paper; • "large containers", in groups B65D 88/00 or B65D 90/00, means containers having about the size of containers used in container traffic, sometimes referred to as freight, forwarding or "ISO" (International Standardization) containers, or larger containers <p>7. Tamper-indicating means for containers or closures are classified in the group appropriate to the type of container of closure, e.g. B65D 5/54, B65D 17/00, B65D 27/30, B65D 27/30, B65D 27/34, B65D 33/34, B65D 41/32, B65D 47/36, B65D 49/12, B65D 51/20, B65D 55/06</p>	<ul style="list-style-type: none"> a. combination of containers or packaging elements with articles or materials to be stored or transported: b. articles joined together for convenience of storage or transport; <ul style="list-style-type: none"> • "paper" includes materials, e.g. cardboard, plastic sheet materials, laminated materials, or metal foils, worked in a manner analogous to paper; • "large containers", in groups B65D 88/00 or B65D 90/00, means containers having about the size of containers used in container traffic, sometimes referred to as freight, forwarding or "ISO" [International Organization for Standardization] containers, or larger containers <p>7. Tamper-indicating means for containers or closures are classified in the group appropriate to the type of container of closure, e.g. B65D 5/54, B65D 17/00, B65D 27/30, B65D 27/30, B65D 27/34, B65D 33/34, B65D 41/32, B65D 47/36, B65D 49/12, B65D 51/20, B65D 55/06</p>

*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.

2. A. DEFINITIONS (modified)

C01G 49/06

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

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

Treatment of iron oxides to enhance their pigmenting and filling properties	C09C 1/22 , C09C 1/24
-----------------------------------------------------------------------------	----------------------------------------------------------

C01G 49/08

References

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

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

Treatment of iron oxides to enhance their pigmenting and filling properties	C09C 1/22 , C09C 1/24
-----------------------------------------------------------------------------	----------------------------------------------------------

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C09F**References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

Informative references

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

Natural rubber, modifications	C08C 1/00
Vulcanised oils, e.g. factice	C08H 3/00
Natural rubber, compositions	C08L 7/00
Compositions of natural resins	C08L 93/00
Polishing compositions	C09G 1/00
Thickening of hydrocarbon oils or fatty oils by voltolising	C10G 71/02
Chemical modification of oils	C11C 3/00