

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 170

DATE: MAY 1, 2016

PROJECT RP0306

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
Symbols deleted:	A23K	1/00
	A23K	1/001
	A23K	1/002
	A23K	1/003
	A23K	1/004
	A23K	1/005
	A23K	1/006
	A23K	1/007
	A23K	1/008
	A23K	1/009
	A23K	1/02
	A23K	1/04
	A23K	1/06
	A23K	1/08
	A23K	1/10
	A23K	1/103
	A23K	1/106
	A23K	1/12
	A23K	1/14
	A23K	1/143
	A23K	1/146
	A23K	1/16
	A23K	1/1603
	A23K	1/1606
	A23K	1/1609
	A23K	1/1612
	A23K	1/1615
	A23K	1/1618
	A23K	1/1621
	A23K	1/1625
	A23K	1/1628
	A23K	1/1631
	A23K	1/1634
	A23K	1/1637
	A23K	1/164
	A23K	1/1643
	A23K	1/1646
	A23K	1/165
	A23K	1/1653
	A23K	1/1656
	A23K	1/17
	A23K	1/175
	A23K	1/1751

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	A23K	1/1753
	A23K	1/1755
	A23K	1/1756
	A23K	1/1758
	A23K	1/18
	A23K	1/1806
	A23K	1/1813
	A23K	1/182
	A23K	1/1826
	A23K	1/1833
	A23K	1/184
	A23K	1/1846
	A23K	1/1853
	A23K	1/186
	A23K	1/1866
	A23K	1/1873
	A23K	1/188
	A23K	1/1886
	A23K	1/1893
	A23K	1/22
	A23K	3/00
	A23K	3/005
	A23K	3/02
	A23K	3/025
	A23K	3/03
	A23K	3/035
Symbols newly created:	A23K	10/00
	A23K	10/10
	A23K	10/12
	A23K	10/14
	A23K	10/16
	A23K	10/18
	A23K	10/20
	A23K	10/22
	A23K	10/24
	A23K	10/26
	A23K	10/28
	A23K	10/30
	A23K	10/32
	A23K	10/33
	A23K	10/35
	A23K	10/37
	A23K	10/38
	A23K	10/40
	A23K	20/00
	A23K	20/10
	A23K	20/105
	A23K	20/111
	A23K	20/116
	A23K	20/121

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	A23K	20/126
	A23K	20/132
	A23K	20/137
	A23K	20/142
	A23K	20/147
	A23K	20/153
	A23K	20/158
	A23K	20/163
	A23K	20/168
	A23K	20/174
	A23K	20/179
	A23K	20/184
	A23K	20/189
	A23K	20/195
	A23K	20/20
	A23K	20/22
	A23K	20/24
	A23K	20/26
	A23K	20/28
	A23K	20/30
	A23K	30/00
	A23K	30/10
	A23K	30/12
	A23K	30/15
	A23K	30/18
	A23K	30/20
	A23K	40/00
	A23K	40/10
	A23K	40/20
	A23K	40/25
	A23K	40/30
	A23K	40/35
	A23K	50/00
	A23K	50/10
	A23K	50/15
	A23K	50/20
	A23K	50/30
	A23K	50/40
	A23K	50/42
	A23K	50/45
	A23K	50/48
	A23K	50/50
	A23K	50/60
	A23K	50/70
	A23K	50/75
	A23K	50/80
	A23K	50/90
Scheme Warning Notices to be added/modified/deleted:	A23K	subclass
	A23K	10/40

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	A23K	20/168
	A23K	20/184
	A23K	20/20
	A23K	40/20
	A23K	40/25
Scheme Notes to be added/modified/deleted:	A23K	1/175
	A23K	20/105
	A23K	20/22
	A23K	50/60
	B09B	subclass
Modified Definition:	A23K	subclass
New Definitions:	A23K	10/00
	A23K	10/10
	A23K	10/12
	A23K	10/14
	A23K	10/16
	A23K	10/18
	A23K	10/20
	A23K	10/22
	A23K	10/24
	A23K	10/26
	A23K	10/28
	A23K	10/30
	A23K	10/32
	A23K	10/33
	A23K	10/35
	A23K	10/37
	A23K	10/38
	A23K	10/40
	A23K	20/00
	A23K	20/10
	A23K	20/105
	A23K	20/111
	A23K	20/116
	A23K	20/121
	A23K	20/126
	A23K	20/132
	A23K	20/137
	A23K	20/142
	A23K	20/147
	A23K	20/153
	A23K	20/158
	A23K	20/163
	A23K	20/168
	A23K	20/174
	A23K	20/179
	A23K	20/184

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	A23K	20/189
	A23K	20/195
	A23K	20/20
	A23K	20/22
	A23K	20/24
	A23K	20/26
	A23K	20/28
	A23K	20/30
	A23K	30/00
	A23K	30/10
	A23K	30/12
	A23K	30/15
	A23K	30/18
	A23K	30/20
	A23K	40/00
	A23K	40/10
	A23K	40/20
	A23K	40/25
	A23K	40/30
	A23K	40/35
	A23K	50/00
	A23K	50/10
	A23K	50/15
	A23K	50/20
	A23K	50/30
	A23K	50/40
	A23K	50/42
	A23K	50/45
	A23K	50/48
	A23K	50/50
	A23K	50/60
	A23K	50/70
	A23K	50/75
	A23K	50/80
	A23K	50/90

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):

A01F, A01K, A01N, A23D, A23J, A23N, A61D, A61K, B01J, B02B, B09B, C07K, C08B, C12N, C12P, C13K

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 Notice(s)
 - C. New, Modified or Deleted Note(s)
 - D. New, Modified or Deleted Guidance Heading(s)

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2. DEFINITIONS (New or Modified)
 - A. DEFINITIONS (Full definition template)
 - B. DEFINITIONS (Definitions Quick Fix)
3. REVISION CONCORDANCE LIST (RCL)
4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5. CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS A23K– FODDER

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
D	A23K1/00	0	Animal feeding-stuffs (detoxicating or removing bitter tastes from seeds, e.g. lupin seeds for fodder or food A23L1/211)	<Administrative transfer to A23K10/00>
D	A23K1/001	1	{Shaping or working-up of feeding-stuffs} □	<Administrative transfer to A23K40/00>
D	A23K1/002	2	{by agglomeration; by granulation, e.g. making powders}	<Administrative transfer to A23K40/10>
D	A23K1/003	2	{by moulding; by extrusion}	<Administrative transfer to A23K40/20>
D	A23K1/004	2	{by encapsulating; by coating}	<Administrative transfer to A23K40/30>
D	A23K1/005	3	{Making capsules specially adapted for ruminants}	<Administrative transfer to A23K40/35>
D	A23K1/006	1	{Animal feeding-stuffs obtained by microbiological or biochemical processes}	<Administrative transfer to A23K10/10>
D	A23K1/007	2	{by fermentation of natural products, or vegetable or animal offal materials, e.g. biomasses (single cell proteins as additives A23K1/008; live microorganisms as additives A23K1/009)}	<Administrative transfer to A23K10/12>
D	A23K1/008	2	{Addition of micro-organisms to feeding-stuff compositions, e.g. single cell proteins (biomasses A23K1/007; enzymes A23K1/165)}	<Administrative transfer to A23K10/16>
D	A23K1/009	3	{Addition of live micro-organisms to feeding-stuff compositions}	<Administrative transfer to A23K10/18>
D	A23K1/02	1	from molasses	<Administrative transfer to A23K10/33>
D	A23K1/04	1	from blood (proteins from blood A23J1/06)	<Administrative transfer to A23K10/24>
D	A23K1/06	1	from distillers' or brewers' waste	<Administrative transfer to A23K10/38>
D	A23K1/08	1	from waste products of dairy plant	<Administrative transfer to A23K10/28>
D	A23K1/10	1	from meat, fish, or bones; from kitchen waste	<Administrative transfer to A23K10/20>
D	A23K1/103	2	{from fish}	<Administrative transfer to A23K10/22>

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D	A23K1/106	2	{from animal offal material, e.g. feathers, bones, skin (from blood A23K1/04)}	<Administrative transfer to A23K10/26>
D	A23K1/12	1	from hydrolysates of wood or straw	<Administrative transfer to A23K10/32>
D	A23K1/14	1	from vegetable materials, e.g. potatoes or roots without ensilaging (preserving food A23B, A23L)	<Administrative transfer to A23K10/30>
D	A23K1/143	2	{from potatoes}	<Administrative transfer to A23K10/35>
D	A23K1/146	2	{from vegetable offal material (molasses A23K1/02; distillers' and brewers' waste A23K1/06; from wood or straw A23K1/12)}	<Administrative transfer to A23K10/37>
D	A23K1/16	1	supplemented with accessory food factors; Salt blocks {(steroids, hormones or enzymes A23K1/165; antibiotics A23K1/17; inorganic additions A23K1/175)}	<Administrative transfer to A23K20/00>
D	A23K1/1603	2	{Vitamins}	<Administrative transfer to A23K20/174>
D	A23K1/1606	2	{Pigmenting agents}	<Administrative transfer to A23K20/179>
D	A23K1/1609	2	{Aliphatic or alicyclic compounds}	<Administrative transfer to A23K20/105>
D	A23K1/1612	2	{Aromatic compounds}	<Administrative transfer to A23K20/111>
D	A23K1/1615	2	{Heterocyclic compounds}	<Administrative transfer to A23K20/116>
D	A23K1/1618	3	{containing oxygen or sulfur as hetero atom}	<Administrative transfer to A23K20/121>
D	A23K1/1621	3	{Lactones}	<Administrative transfer to A23K20/126>
D	A23K1/1625	3	{containing only one nitrogen as hetero atom}	<Administrative transfer to A23K20/132>
D	A23K1/1628	3	{containing two hetero atoms of which at least one is nitrogen} □	<Administrative transfer to A23K20/137>
D	A23K1/1631	2	{Amino acids; Derivatives thereof, e.g. peptides, proteins}	<Administrative transfer to A23K20/147>
D	A23K1/1634	3	{Amino acids; Non-polymeric derivatives thereof}	<Administrative transfer to A23K20/142>
D	A23K1/1637	2	{Nucleic acids; Hydrolysis products or derivatives thereof}	<Administrative transfer to A23K20/153>
D	A23K1/164	2	{Fatty acids, fats, oil- or fat-containing products}	<Administrative transfer to A23K20/158>
D	A23K1/1643	2	{Sugars or polysaccharides}	<Administrative transfer to A23K20/163>

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D	A23K1/1646	2	{Other organic substances}	<Administrative transfer to A23K20/10>
D	A23K1/165	2	with steroids, hormones, or enzymes	<Administrative transfer to A23K20/168>
D	A23K1/1653	3	{Enzymes}	<Administrative transfer to A23K20/189>
D	A23K1/1656	4	{Pretreatment of feeding-stuffs with enzymes}	<Administrative transfer to A23K10/14>
D	A23K1/17	2	with antibiotics	<Administrative transfer to A23K20/195>
D	A23K1/175	2	with inorganic substances; Salt blocks	<Administrative transfer to A23K20/20>
D	A23K1/1751	3	{Alkali metal compounds}	<Administrative transfer to A23K20/22>
D	A23K1/1753	3	{Earth alkali metal compounds}	<Administrative transfer to A23K20/24>
D	A23K1/1755	3	{Compounds containing phosphorus}	<Administrative transfer to A23K20/26>
D	A23K1/1756	3	{Silicates, e.g. perlite, zeolite, bentonite}	<Administrative transfer to A23K20/28>
D	A23K1/1758	3	{Oligoelements}	<Administrative transfer to A23K20/30>
D	A23K1/18	1	specifically adapted for particular animals (milk substitutes A23C11/00)	<Administrative transfer to A23K50/00>
D	A23K1/1806	2	{for horses}	<Administrative transfer to A23K50/20>
D	A23K1/1813	2	{for ruminants}	<Administrative transfer to A23K50/10>
D	A23K1/182	2	{for birds}	<Administrative transfer to A23K50/70>
D	A23K1/1826	3	{for poultry}	<Administrative transfer to A23K50/75>
D	A23K1/1833	2	{for monogastric animals}	<Administrative transfer to A23K50/00>
D	A23K1/184	3	{for swine}	<Administrative transfer to A23K50/30>
D	A23K1/1846	2	{for carnivorous animals, e.g. cats, dogs}	<Administrative transfer to A23K50/40>
D	A23K1/1853	3	{Dry feed}	<Administrative transfer to A23K50/42>
D	A23K1/186	3	{Semi-moist feed}	<Administrative transfer to A23K50/45>
D	A23K1/1866	3	{Moist feed}	<Administrative transfer to A23K50/48>
D	A23K1/1873	2	{for insects, e.g. bees, silk worms}	<Administrative transfer to A23K50/90>

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
D	A23K1/188	2	{for aquatic animals, e.g. fish, crustaceans, molluscs}	<Administrative transfer to A23K50/80>
D	A23K1/1886	2	{for rodents}	<Administrative transfer to A23K50/50>
D	A23K1/1893	2	{for weanlings}	<Administrative transfer to A23K50/60>
D	A23K1/22	1	containing chemicals which are converted to proteins by cattle, e.g. ammonium salts, urea	<Administrative transfer to A23K50/15>
D	A23K3/00	0	Preservation of materials to produce animal feeding-stuffs	<Administrative transfer to A23K30/00>
D	A23K3/005	1	{Dehydration}	<Administrative transfer to A23K30/20>
D	A23K3/02	1	of green fodder (processing and storing A01F25/00; silos E04H)	<Administrative transfer to A23K30/10>
D	A23K3/025	2	{Dehydration of green fodder}	<Administrative transfer to A23K30/12>
D	A23K3/03	2	using chemicals for ensilaging	<Administrative transfer to A23K30/15>
D	A23K3/035	3	{Ensilage by use of micro-organisms or enzymes}	<Administrative transfer to A23K30/18>
N	A23K10/00	0	Animal feeding-stuffs	
N	A23K10/10	1	obtained by microbiological or biochemical processes (using chemicals or micro-organisms for ensilaging of green fodder A23K30/15)	
N	A23K10/12	2	by fermentation of natural products, e.g. of vegetable material, animal waste material or biomass	
N	A23K10/14	2	Pretreatment of feeding-stuffs with enzymes	
N	A23K10/16	2	Addition of micro-organisms or extracts thereof, e.g. single-cell proteins, to feeding-stuff compositions (A23K10/12 takes precedence)	
N	A23K10/18	3	of live micro-organisms	
N	A23K10/20	1	from material of animal origin (obtained by microbiological or biochemical processes A23K10/10)	
N	A23K10/22	2	from fish	
N	A23K10/24	2	from blood	
N	A23K10/26	2	from waste material, e.g. feathers, bones or skin (A23K10/24 takes precedence)	
N	A23K10/28	3	from waste dairy products	

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N	A23K10/30	1	from material of plant origin, e.g. roots, seeds or hay; from material of fungal origin, e.g. mushrooms (obtained by microbiological or biochemical processes, e.g. using yeasts or enzymes, A23K10/10)	
N	A23K10/32	2	from hydrolysates of wood or straw	
N	A23K10/33	2	from molasses	
N	A23K10/35	2	from potatoes	
N	A23K10/37	2	from waste material (from hydrolysates of wood or straw A23K10/32; from molasses A23K10/33)	
N	A23K10/38	3	from distillers' or brewers' waste	
N	A23K10/40	1	Mineral licks, e.g. salt blocks	
N	A23K20/00	0	Accessory food factors for animal feeding-stuffs	
N	A23K20/10	1	Organic substances	
N	A23K20/105	2	Aliphatic or alicyclic compounds	
N	A23K20/111	2	Aromatic compounds	
N	A23K20/116	2	Heterocyclic compounds	
N	A23K20/121	3	containing oxygen or sulfur as hetero atom	
N	A23K20/126	4	Lactones	
N	A23K20/132	3	containing only one nitrogen as hetero atom	
N	A23K20/137	3	containing two hetero atoms, of which at least one is nitrogen	
N	A23K20/142	2	Amino acids; Derivatives thereof	
N	A23K20/147	3	Polymeric derivatives, e.g. peptides or proteins	
N	A23K20/153	2	Nucleic acids; Hydrolysis products or derivatives thereof	
N	A23K20/158	2	Fatty acids; Fats; Products containing oils or fats	
N	A23K20/163	2	Sugars; Polysaccharides	
Q	A23K20/168	2	Steroids	A23K20/168, A23K20/184
N	A23K20/174	2	Vitamins	
N	A23K20/179	2	Colouring agents, e.g. pigmenting or dyeing agents	
N	A23K20/184	2	Hormones	
N	A23K20/189	2	Enzymes	
N	A23K20/195	2	Antibiotics	
Q	A23K20/20	1	Inorganic substances, e.g. oligoelements	A23K20/20, A23K10/40
N	A23K20/22	2	Compounds of alkali metals	
N	A23K20/24	2	Compounds of alkaline earth metals, e.g. magnesium	
N	A23K20/26	2	Compounds containing phosphorus	

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N	A23K20/28	2	Silicates, e.g. perlites, zeolites or bentonites	
N	A23K20/30	2	{Oligoelements}	
N	A23K30/00	0	Processes specially adapted for preservation of materials in order to produce animal feeding-stuffs	
N	A23K30/10	1	of green fodder	
N	A23K30/12	2	Dehydration	
N	A23K30/15	2	using chemicals or micro-organisms for ensilaging	
N	A23K30/18	3	using micro-organisms or enzymes	
N	A23K30/20	1	Dehydration (of green fodder A23K30/12)	
N	A23K40/00	0	Shaping or working-up of animal feeding-stuffs	
N	A23K40/10	1	by agglomeration; by granulation, e.g. making powders	
Q	A23K40/20	1	by moulding, e.g. making cakes or briquettes	A23K40/20, A23K40/25
N	A23K40/25	1	by extrusion	
N	A23K40/30	1	by encapsulating; by coating	
N	A23K40/35	2	Making capsules specially adapted for ruminants	
N	A23K50/00	0	Feeding-stuffs specially adapted for particular animals	
N	A23K50/10	1	for ruminants	
N	A23K50/15	2	containing substances which are metabolically converted to proteins, e.g. ammonium salts or urea	
N	A23K50/20	1	for horses	
N	A23K50/30	1	for swines	
N	A23K50/40	1	for carnivorous animals, e.g. cats or dogs	
N	A23K50/42	2	Dry feed	
N	A23K50/45	2	Semi-moist feed	
N	A23K50/48	2	Moist feed	
N	A23K50/50	1	for rodents	
N	A23K50/60	1	for weanlings	
N	A23K50/70	1	for birds	
N	A23K50/75	2	for poultry	
N	A23K50/80	1	for aquatic animals, e.g. fish, crustaceans or molluscs	
N	A23K50/90	1	for insects, e.g. bees or silkworms	

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

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documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No { curly brackets } are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The { curly brackets } are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types except “D” which requires only a symbol.
- #“Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For <Administrative transfer of documents, the following text should be used: “< <Administrative transfer to XX>” or “<<Administrative transfer to XX and YY simultaneously>” when <Administrative transfer of the same documents is to more than one place.
- <Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

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B. New, Modified or Deleted Warning notice(s)**SUBCLASS A23K – FODDER**

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
D	A23K	The following IPC groups are not used in the CPC scheme. Subject matter covered by these groups are classified in the following CPC groups: A23K1/20 covered by A23K1/003 A23K1/24 covered by A23K1/003, A23K1/1826 A23K3/04 covered by A23K1/143	
N	A23K10/40		Group A23K10/40 is incomplete pending reclassification of documents from A23K20/20. Groups A23K10/40 and A23K20/20 should be considered in order to perform a complete search.
N	A23K20/168		Group A23K20/168 is impacted by reclassification into group A23K20/184. Groups A23K20/168 and A23K20/184 should be considered in order to perform a complete search.
N	A23K20/184		Group A23K20/184 is incomplete pending reclassification of documents from group A23K20/168. Groups A23K20/184 and A23K20/168 should be considered in order to perform a complete search.
N	A23K20/20		Group A23K20/20 is impacted by reclassification into group A23K10/40. Groups A23K20/20 and A23K10/40 should be considered in order to perform a complete search.
N	A23K40/20		Group A23K40/20 is impacted by reclassification into group A23K40/25. Groups A23K40/20 and A23K40/25 should be considered in order to perform a complete search.
N	A23K40/25		Group A23K40/25 is incomplete pending reclassification of documents from A23K40/20. Groups A23K40/25 and A23K40/20 should be considered in order to perform a complete search.

CPC NOTICE OF CHANGES 170

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*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.

CPC NOTICE OF CHANGES 170

DATE: MAY 1, 2016

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C. New, Modified or Deleted Note(s)**SUBCLASS A23K - FODDER**

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
D	A23K1/175	In groups A23K1/1751 to A23K1/1758, in the absence of an indication to the contrary, an invention is classified in the last appropriate place	Delete
N	A23K20/105		<u>NOTE</u> When classifying in groups A23K20/105 - A23K20/168, classification is also made in groups A23K20/174 - A23K20/195 if the substance has a particular function.
N	A23K20/22		<u>NOTE</u> In groups A23K20/22 - A23K20/28, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, classification is made in the last appropriate place.
N	A23K50/60		<u>NOTE</u> When classifying in group A23K50/60, classification is also made in groups A23K50/10 - A23K50/50 if the weanling is any of the animals covered by those groups.
M	B09B/Subclass (Note 3/Attention is drawn to the following places)	A23K 1/06 Animal feeding-stuffs from distillers' or brewers' waste A23K 1/08 Animal feeding-stuffs from waste products of dairy plants A23K 1/10 Animal feeding-stuffs from kitchen waste	A23K10/38 Animal feeding-stuffs from distillers' or brewers' waste A23K10/28 Animal feeding-stuffs from waste products of dairy A23K10/20 Animal feeding-stuffs from kitchen waste

*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 (i.e. new or modified)

A23K

Insert the following MODIFIED definition:

Definition statement

This subclass covers:

Feeding-stuffs that are specially adapted, processed or formulated for non-human animals.

Processes that are specially adapted for production of such animal feeding-stuffs.

Processes that are specially adapted for preservation of materials (e.g. grass or roots) in order to produce such animal feeding-stuffs.

Relationship between large subject matter areas

Animal feeding-stuffs

This subclass only covers feeding-stuffs that are disclosed as being specially adapted, processed or formulated for non-human animals. Foods or foodstuffs that are of unspecified use or specially adapted for human beings are covered by other subclasses for foodstuffs (see the references below), for example the other subclasses of A23.

Production of animal feeding-stuffs

Processes for production of foods or foodstuffs that are of unspecified use, or specially adapted for human beings, are covered by the relevant subclasses therefor, see the references below.

Apparatus that is specially adapted for production of animal feeding-stuffs is covered by A23N17/00.

Mechanical aspects that are of general utility are covered by other subclasses, see the references below.

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Preservation of materials in order to produce animal feeding-stuffs

This subclass only covers processes for preservation that are specially adapted for production of animal feeding-stuffs. Preservation of foods or food-stuffs that are of unspecified use or specially adapted for human beings, are covered by the relevant subclasses therefor, for example A23B and A23L3/00 (see the references below).

Mechanical aspects of processes for preservation of materials in order to produce animal feeding-stuffs are classified in other subclasses, for example A01F25/00 and F26B (see the references below).

Haymaking

Haymakers, i.e. apparatus for working on mown forage crop lying on the ground with the intention to make hay, are classified in A01D76/00 - A01D84/00. Haymakers may include means for mechanical treatment of mown crops in the field, for example for crop-conditioning.

References relevant to classification in this subclass

This subclass does not cover:

Mechanical aspects of methods that are specially adapted for storing agricultural or horticultural crops (e.g. in silos)	A01F25/00
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Informative references

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

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Apparatus specially adapted for cutting or disintegrating straw, hay or like harvested products of plant origin	A01F29/00
Manufacture of dairy products	A01J
Animal husbandry; Care of birds, fishes or insects	A01K
Preparation of bait for angling	A01K97/04
Preservation of plants in general	A01N3/00
Biocides, pest repellents or pest attractants	A01N 25/00 - A01N 65/00
Machines or equipment for making or processing doughs	A21C
Treating of flour or dough	A21D
Processing meat, poultry or fish	A22C
Preserving meat, fish, eggs, fruit, vegetables or edible seeds; The preserved products	A23B
Dairy products; Making dairy products	A23C
Edible oils or fats	A23D
Protein compositions for foodstuffs; Working-up proteins for foodstuffs; Phosphatide compositions for foodstuffs	A23J
Foods or foodstuffs not covered by subclasses A23B to A23J Their preparation or treatment	A23L5/00- A23L35/00
Preservation of foods or foodstuffs in general	A23L3/00
Machines or apparatus for treating harvested fruit or vegetables in bulk, not otherwise provided for	A23N1/00 - A23N15/00
Apparatus specially adapted for preparing animal feeding-stuffs	A23N17/00
Shaping or working of foodstuffs	A23P
Veterinary methods	A61D
Medicinal preparations	A61K
Mixing in general	B01F
Disintegrating in general	B02C
Granulating materials	B01J2/00
Cutting in general	B26D
Presses in general, e.g. for making briquettes	B30B
Polysaccharides; Derivatives thereof	C08B
Derivatives of natural macromolecular compounds	C08H
Producing animal or vegetable oils, fats, fatty substances or waxes	C11B
Preparation of fats, oils, or fatty acids	C11C
Micro-organisms or enzymes; Compositions thereof	C12N
Fermentation or enzyme-using processes to synthesise a desired chemical compound or composition	C12P

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Sugar industry	C13
Drying solid materials	F26B

Synonyms and Keywords

In patent documents, the expressions “feed” and “feedstuff” are often used instead of “feeding-stuffs” which is used in the classification scheme of this group.

Insert the following NEW definitions:

A23K 10/00

Definition statement

This subgroup covers:

Feedstuffs and processes for production in general.

Informative references

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

Detoxicating or removing bitter tastes from seeds, e.g. lupin seeds for fodder or food	A23L11/30
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A23K 10/10

Definition statement

This subgroup covers:

Non-specified microbiological processes for fodder or non-specified addition of microbes in general.

A23K 10/12

Definition statement

This subgroup covers:

Use of microorganisms to produce fodder ingredients or foddors (biomass) and the ingredients of foddors per se.

A23K10/14

Definition statement

This subgroup covers:

Treating fodder by addition of enzymes (in general and specific) for particular effects.

A23K 10/16

Definition statement

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This subgroup covers:

Methods of adding microbes such as probiotics to fodders and the fodders per se.

A23K 10/18

Definition statement

This subgroup covers:

Methods of adding live microbes such as probiotics to fodders and the fodders per se.

A23K 10/20

Definition statement

This subgroup covers:

Production of fodder from animal or waste material in general, and fodders containing same as a significant ingredient.

A23K 10/22

Definition statement

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This subgroup covers:

Production of fodder from fish (including shellfish, crustaceans), and fodders containing same as a significant ingredient.

A23K 10/24

Definition statement

This subgroup covers:

Production of fodder from blood or blood products and fodder containing these as a significant ingredient.

Informative references

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

Proteins from blood	A23J 1/06
Medicinal preparations containing blood	A61K 35/14

DATE: MAY 1, 2016

PROJECT RP0306

A23K 10/26

Definition statement

This subgroup covers:

Production of fodder from animal (including fish, etc.) waste material, and fodders containing same as a significant ingredient.

A23K 10/28

Definition statement

This subgroup covers:

Production of fodder from dairy wastes and fodder containing these as a significant ingredient.

A23K 10/30

Definition statement

This subgroup covers:

Production of fodder from vegetable material in general (including plant extracts), and fodders containing same as a significant ingredient.

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Informative references

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

Preserving food	A23B, A23L
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A23K 10/32

Definition statement

This subclass covers:

Production of fodder from chemical or enzymatic hydrolysates of wood or straw (including lignaceous or cellulosic) material, and fodders containing same as a significant ingredient.

A23K 10/33

Definition statement

This subgroup covers:

Production of fodder from molasses and fodder containing molasses as a significant ingredient.

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A23K 10/35

Definition statement

This subgroup covers:

Production of fodder from potatoes (including by-products), and fodders containing same as a significant ingredient.

A23K 10/37

Definition statement

This subgroup covers:

Production of fodder from vegetable waste material, and fodders containing same as a significant ingredient.

A23K 10/38

Definition statement

This subgroup covers:

Production of fodder from waste products of brewing and distilling (e.g. solubles) and fodder containing same as a significant ingredient.

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A23K 10/40

Definition statement

This subgroup covers:

Block of salt and other minerals for livestock to lick.

A23K 20/00

Definition statement

This subgroup covers:

Animal feed or fodder supplemented with additives which may, for example, enhance the nutritional value, digestibility or appeal of the feed, may effect weight-gain of the animal, or the appearance of the flesh or meat of the animal, etc.

Specific additives being classified in the subgroups, e.g. vitamins as fodder additives are classified in A23K 20/174, sugars as fodder additives are classified in A23K 20/163.

A23K 20/10

Definition statement

This subgroup covers:

Addition of organic substances of undefined composition, including mixtures thereof.

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A23K 20/105

Definition statement

This subgroup covers:

Addition of non-aromatic carbon compounds (not including fatty, amino, or heterocyclic, etc. compounds covered by other subclasses).

A23K 20/111

Definition statement

This subgroup covers:

Addition of non-heterocyclic compounds containing at least one benzene ring.

A23K 20/116

Definition statement

This subgroup covers:

Addition of heterocyclic compounds in general.

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PROJECT RP0306

A23K 20/121

Definition statement

This subgroup covers:

Addition of saturated or unsaturated oxo- or sulfo- heterocycles (e.g. oxirane, oxetane, etc., and thiirane, thietane, etc., compounds).

A23K 20/126

Definition statement

This subgroup covers:

Addition of lactone type cyclic esters.

A23K 20/132

Definition statement

This subgroup covers:

Addition of saturated or unsaturated single nitrogen containing heterocycles (e.g. aziridine, pyridine, etc.).

DATE: MAY 1, 2016

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A23K 20/137

Definition statement

This subclass covers:

Addition of saturated or unsaturated heterocycles, with more than one hetero atom and containing at least one nitrogen atom (e.g. oxazepines, thiazepines, pyridazine).

A23K 20/142

Definition statement

This subgroup covers:

Addition of amino acids (including esters, salts, etc.).

A23K 20/147

Definition statement

This subgroup covers:

Addition of peptide and worked up protein material, including proteolyzates.

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A23K 20/153

Definition statement

This subgroup covers:

Addition of nucleic acids and fragments (DNA, RNA, etc.).

A23K 20/158

Definition statement

This subgroup covers:

Addition of oils, fats, fatty acids, fatty materials including waxes.

A23K 20/163

Definition statement

This subgroup covers:

Addition of saccharides including simple sugars and starches as well as cellulosic materials.

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A23K 20/168

Definition statement

This subgroup covers:

Addition of steroids (e.g. cortisone, prednisolone, etc.) and derivatives.

A23K 20/174

Definition statement

This subgroup covers:

Animal feed or fodder supplemented with additives which may, for example, enhance the nutritional value, digestibility or appeal of the feed, may effect weight-gain of the animal, or the appearance of the flesh or meat of the animal, etc.

A23K 20/179

Definition statement

This subgroup covers:

Addition of colouring agent to the fodder resulting in, for example, brightly coloured food, e.g. to attract birds, or resulting in enhanced colour of the flesh or meat, e.g. pink colouring to salmon flesh.

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A23K 20/184

Definition statement

This subgroup covers:

Addition of hormones (e.g., growth hormone, oxytocin, etc.) and derivatives.

A23K 20/189

Definition statement

This subgroup covers:

Addition of enzymes (in general and specific).

A23K 20/195

Definition statement

This subgroup covers:

Addition of antibiotics per se (not including probiotics - see A23K 10/16).

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A23K 20/20

Definition statement

This subgroup covers:

Addition of inorganic materials, e.g. metals, salts, gases, etc.

Special rules of classification within this subclass/group

Oligoelements are classified in the group A23K20/30

A23K 20/22

Definition statement

This subgroup covers:

Addition of group 1 elements (Li, Na, K, etc.).

A23K 20/24

Definition statement

This subclass covers:

Addition of group 2 elements (Be, Mg, Ca, etc.).

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A23K 20/26

Definition statement

This subgroup covers:

Addition of organic and inorganic P compounds (e.g. pyrophosphates, etc.).

A23K 20/28

Definition statement

This subgroup covers:

Addition of Si compounds (including earths, clays, etc.).

A23K 20/30

Definition statement

This subgroup covers:

Addition of trace elements (e.g. Fe, Cu, Mn, Zn, Se, I., etc.).

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A23K 30/00

Definition statement

This subgroup covers:

Feedstuffs characterized by preservation method and the feedstuffs per se.

A23K 30/10

Definition statement

This subclass covers:

Feedstuffs characterized by preservation of green material (grasses, lucerne, etc.) and the feedstuffs per se.

Informative references

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

Mechanical aspects of methods specially adapted for storing agricultural or horticultural crops	A01F 25/00
Silos	E04H 7/22

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A23K 30/12

Definition statement

This subgroup covers:

Feedstuffs characterized by dehydration preservation of green material (grasses, lucerne, etc.) and the feedstuffs per se.

A23K 30/15

Definition statement

This subgroup covers:

Feedstuffs characterized by addition of chemicals (or biochemicals) to produce silage and the silage per se.

A23K 30/18

Definition statement

This subgroup covers:

Feedstuffs characterized by addition of enzymes and/or microbes to produce silage and the silage per se.

A23K 30/20

Definition statement

This subgroup covers:

Feedstuffs characterized by dehydration preservation and the feedstuffs per se.

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A23K 40/00

Definition statement

This subgroup covers:

Processes for producing foddors not covered in subgroups, as well as foddors resulting from processes.

A23K 40/10

Definition statement

This subgroup covers:

Processes for producing foddors by agglomeration, granulation, powdering, as well as granular, powdered foddors resulting from processes.

A23K 40/20

Definition statement

This subgroup covers:

Processes for producing foddors by molding, pressing; as molded, compressed or pressed foddors resulting from such processes.

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A23K 40/25

Definition statement

This subgroup covers:

Processes for producing fodders by extrusions as well as extruded fodders resulting from such processes.

A23K 40/30

Definition statement

This subgroup covers:

- Processes for producing fodders by encapsulating, coating, covering
- Coated, covered, or enveloped fodders resulting from these processes

A23K 40/35

Definition statement

This subgroup covers:

Processes for making coatings designed to bypass the rumen and products per se.

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A23K 50/00

Definition statement

This subgroup covers:

Feeds adapted for specific animals in general.

Informative references

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

Milk Substitutes	A23C 11/00
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A23K 50/10

Definition statement

This subgroup covers:

Feeds for ruminant animals (e.g. cows, goats, sheep, etc.).

A23K 50/15

Definition statement

This subgroup covers:

Feeds for ruminants which contain nitrogenous protein precursors.

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A23K 50/20

Definition statement

This subgroup covers:

Feeds for equine animals (e.g. horses, donkeys, zebra).

A23K 50/30

Definition statement

This subgroup covers:

Feeds for suidae (e.g. pig, hog, boar, etc.).

A23K 50/40

Definition statement

This subgroup covers:

Feeds for carnivorous animals in general (canines, felines, mink, etc.).

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A23K 50/42

Definition statement

This subgroup covers:

0-15% H₂O.

A23K 50/45

Definition statement

This subgroup covers:

15-50% H₂O.

A23K 50/48

Definition statement

This subclass covers:

50-100% H₂O.

A23K 50/50

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Definition statement

This subgroup covers:

Feeds for rodents (e.g. mice, rats, hamsters, etc.).

A23K 50/60

Definition statement

This subgroup covers:

Feeds for young animals in general.

A23K 50/70

Definition statement

This subgroup covers:

Feeds for avian animals in general (e.g. pigeons, wild birds, etc.).

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A23K 50/75

Definition statement

This subgroup covers:

Feeds for domesticated farmed avians (e.g. chicken, turkey, geese, duck, etc.).

A23K 50/80

Definition statement

This subgroup covers:

Feeds used in aquaculture in general (including shellfish and marine mammals).

A23K 50/90

Definition statement

This subgroup covers:

Feeds for insects (e.g. honeybees, flies, etc.).

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DATE: MAY 1, 2016

PROJECT RP0306

3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
D	A23K1/00	<Administrative transfer to A23K10/00>
D	A23K1/001	<Administrative transfer to A23K40/00>
D	A23K1/002	<Administrative transfer to A23K40/10>
D	A23K1/003	<Administrative transfer to A23K40/20>
D	A23K1/004	<Administrative transfer to A23K40/30>
D	A23K1/005	<Administrative transfer to A23K40/35>
D	A23K1/006	<Administrative transfer to A23K10/10>
D	A23K1/007	<Administrative transfer to A23K10/12>
D	A23K1/008	<Administrative transfer to A23K10/16>
D	A23K1/009	<Administrative transfer to A23K10/18>
D	A23K1/02	<Administrative transfer to A23K10/33>
D	A23K1/04	<Administrative transfer to A23K10/24>
D	A23K1/06	<Administrative transfer to A23K10/38>
D	A23K1/08	<Administrative transfer to A23K10/28>
D	A23K1/10	<Administrative transfer to A23K10/20>
D	A23K1/103	<Administrative transfer to A23K10/22>
D	A23K1/106	<Administrative transfer to A23K10/26>
D	A23K1/12	<Administrative transfer to A23K10/32>
D	A23K1/14	<Administrative transfer to A23K10/30>
D	A23K1/143	<Administrative transfer to A23K10/35>
D	A23K1/146	<Administrative transfer to A23K10/37>
D	A23K1/16	<Administrative transfer to A23K20/00>
D	A23K1/1603	<Administrative transfer to A23K20/174>
D	A23K1/1606	<Administrative transfer to A23K20/179>
D	A23K1/1609	<Administrative transfer to A23K20/105>
D	A23K1/1612	<Administrative transfer to A23K20/111>
D	A23K1/1615	<Administrative transfer to A23K20/116>
D	A23K1/1618	<Administrative transfer to A23K20/121>
D	A23K1/1621	<Administrative transfer to A23K20/126>
D	A23K1/1625	<Administrative transfer to A23K20/132>
D	A23K1/1628	<Administrative transfer to A23K20/137>
D	A23K1/1631	<Administrative transfer to A23K20/147>
D	A23K1/1634	<Administrative transfer to A23K20/142>
D	A23K1/1637	<Administrative transfer to A23K20/153>
D	A23K1/164	<Administrative transfer to A23K20/158>
D	A23K1/1643	<Administrative transfer to A23K20/163>
D	A23K1/1646	<Administrative transfer to A23K20/10>
D	A23K1/165	<Administrative transfer to A23K20/168>
D	A23K1/1653	<Administrative transfer to A23K20/189>
D	A23K1/1656	<Administrative transfer to A23K10/14>
D	A23K1/17	<Administrative transfer to A23K20/195>
D	A23K1/175	<Administrative transfer to A23K20/20>
D	A23K1/1751	<Administrative transfer to A23K20/22>

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Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	A23K1/1753	<Administrative transfer to A23K20/24>
D	A23K1/1755	<Administrative transfer to A23K20/26>
D	A23K1/1756	<Administrative transfer to A23K20/28>
D	A23K1/1758	<Administrative transfer to A23K20/30>
D	A23K1/18	<Administrative transfer to A23K50/00>
D	A23K1/1806	<Administrative transfer to A23K50/20>
D	A23K1/1813	<Administrative transfer to A23K50/10>
D	A23K1/182	<Administrative transfer to A23K50/70>
D	A23K1/1826	<Administrative transfer to A23K50/75>
D	A23K1/1833	<Administrative transfer to A23K50/00>
D	A23K1/184	<Administrative transfer to A23K50/30>
D	A23K1/1846	<Administrative transfer to A23K50/40>
D	A23K1/1853	<Administrative transfer to A23K50/42>
D	A23K1/186	<Administrative transfer to A23K50/45>
D	A23K1/1866	<Administrative transfer to A23K50/48>
D	A23K1/1873	<Administrative transfer to A23K50/90>
D	A23K1/188	<Administrative transfer to A23K50/80>
D	A23K1/1886	<Administrative transfer to A23K50/50>
D	A23K1/1893	<Administrative transfer to A23K50/60>
D	A23K1/22	<Administrative transfer to A23K50/15>
D	A23K3/00	<Administrative transfer to A23K30/00>
D	A23K3/005	<Administrative transfer to A23K30/20>
D	A23K3/02	<Administrative transfer to A23K30/10>
D	A23K3/025	<Administrative transfer to A23K30/12>
D	A23K3/03	<Administrative transfer to A23K30/15>
D	A23K3/035	<Administrative transfer to A23K30/18>
Q	A23K20/168	A23K20/168, A23K20/184
Q	A23K20/20	A23K20/20, A23K10/40
Q	A23K40/20	A23K40/20, A23K40/25

* 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.

NOTES:

- Only C, D, F and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
A23K1/00		DELETE
A23K1/001		DELETE
A23K1/002		DELETE
A23K1/003		DELETE
A23K1/004		DELETE
A23K1/005		DELETE
A23K1/006		DELETE
A23K1/007		DELETE
A23K1/008		DELETE
A23K1/009		DELETE
A23K1/02		DELETE
A23K1/04		DELETE
A23K1/06		DELETE
A23K1/08		DELETE
A23K1/10		DELETE
A23K1/103		DELETE
A23K1/106		DELETE
A23K1/12		DELETE
A23K1/14		DELETE
A23K1/143		DELETE
A23K1/146		DELETE
A23K1/16		DELETE
A23K1/1603		DELETE
A23K1/1606		DELETE
A23K1/1609		DELETE
A23K1/1612		DELETE
A23K1/1615		DELETE
A23K1/1618		DELETE
A23K1/1621		DELETE
A23K1/1625		DELETE
A23K1/1628		DELETE
A23K1/1631		DELETE
A23K1/1634		DELETE
A23K1/1637		DELETE
A23K1/164		DELETE
A23K1/1643		DELETE
A23K1/1646		DELETE
A23K1/165		DELETE
A23K1/1653		DELETE
A23K1/1656		DELETE
A23K1/17		DELETE
A23K1/175		DELETE

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
A23K1/1751		DELETE
A23K1/1753		DELETE
A23K1/1755		DELETE
A23K1/1756		DELETE
A23K1/1758		DELETE
A23K1/18		DELETE
A23K1/1806		DELETE
A23K1/1813		DELETE
A23K1/182		DELETE
A23K1/1826		DELETE
A23K1/1833		DELETE
A23K1/184		DELETE
A23K1/1846		DELETE
A23K1/1853		DELETE
A23K1/186		DELETE
A23K1/1866		DELETE
A23K1/1873		DELETE
A23K1/188		DELETE
A23K1/1886		DELETE
A23K1/1893		DELETE
A23K1/22		DELETE
A23K3/00		DELETE
A23K3/005		DELETE
A23K3/02		DELETE
A23K3/025		DELETE
A23K3/03		DELETE
A23K3/035		DELETE
A23K10/00	A23K10/00	NEW
A23K10/10	A23K10/10	NEW
A23K10/12	A23K10/12	NEW
A23K10/14	A23K10/14	NEW
A23K10/16	A23K10/16	NEW
A23K10/18	A23K10/18	NEW
A23K10/20	A23K10/20	NEW
A23K10/22	A23K10/22	NEW
A23K10/24	A23K10/24	NEW
A23K10/26	A23K10/26	NEW
A23K10/28	A23K10/28	NEW
A23K10/30	A23K10/30	NEW
A23K10/32	A23K10/32	NEW
A23K10/33	A23K10/33	NEW
A23K10/35	A23K10/35	NEW
A23K10/37	A23K10/37	NEW
A23K10/38	A23K10/38	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
A23K10/40	A23K10/40	NEW
A23K20/00	A23K20/00	NEW
A23K20/10	A23K20/10	NEW
A23K20/105	A23K20/105	NEW
A23K20/111	A23K20/111	NEW
A23K20/116	A23K20/116	NEW
A23K20/121	A23K20/121	NEW
A23K20/126	A23K20/126	NEW
A23K20/132	A23K20/132	NEW
A23K20/137	A23K20/137	NEW
A23K20/142	A23K20/142	NEW
A23K20/147	A23K20/147	NEW
A23K20/153	A23K20/153	NEW
A23K20/158	A23K20/158	NEW
A23K20/163	A23K20/163	NEW
A23K20/168	A23K20/168	NEW
A23K20/174	A23K20/174	NEW
A23K20/179	A23K20/179	NEW
A23K20/184	A23K20/184	NEW
A23K20/189	A23K20/189	NEW
A23K20/195	A23K20/195	NEW
A23K20/20	A23K20/20	NEW
A23K20/22	A23K20/22	NEW
A23K20/24	A23K20/24	NEW
A23K20/26	A23K20/26	NEW
A23K20/28	A23K20/28	NEW
A23K20/30	A23K20/20	NEW
A23K30/00	A23K30/00	NEW
A23K30/10	A23K30/10	NEW
A23K30/12	A23K30/12	NEW
A23K30/15	A23K30/15	NEW
A23K30/18	A23K30/18	NEW
A23K30/20	A23K30/20	NEW
A23K40/00	A23K40/00	NEW
A23K40/10	A23K40/10	NEW
A23K40/20	A23K40/20	NEW
A23K40/25	A23K40/25	NEW
A23K40/30	A23K40/30	NEW
A23K40/35	A23K40/35	NEW
A23K50/00	A23K50/00	NEW
A23K50/10	A23K50/10	NEW
A23K50/15	A23K50/15	NEW
A23K50/20	A23K50/20	NEW
A23K50/30	A23K50/30	NEW

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
A23K50/40	A23K50/40	NEW
A23K50/42	A23K50/42	NEW
A23K50/45	A23K50/45	NEW
A23K50/48	A23K50/48	NEW
A23K50/50	A23K50/50	NEW
A23K50/60	A23K50/60	NEW
A23K50/70	A23K50/70	NEW
A23K50/75	A23K50/75	NEW
A23K50/80	A23K50/80	NEW
A23K50/90	A23K50/90	NEW

*Action column:

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

NOTES:

- F symbols are not included in the CICL table above.
- E and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

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5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
A01K5/015	A23K1/16	A23K20/00
A01K61/02	A23K1/188	A23K50/80
A01K97/04	A23K1/18	A23K50/00
A23D	A23K1/00	A23K10/00-A23K20/30, A23K30/00-A23K50/90
A23J1/04	A23K1/10	A23K10/20
A23J1/06	A23K1/04	A23K10/24
A23N17/001	A23K1/12	A23K10/32
A23N17/005	A23K1/001	A23K40/00
C13K1/02	A23K1/12	A23K10/32

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>
A01F	A23K3/00	Informative references	A23K30/00
A01K5/0275	A23K1/00	Informative references	A23K10/00
A01K61/025	A23K1/188	Informative references	A23K50/80
A01K97/04	A23K1/18	Informative references	A23K50/00
A01N	A23K3/00	References relevant to classification in this subclass	A23K30/00
A23D	A23K1/00	Informative references	A23K10/00
A23J	A23K1/00	Informative references	A23K10/00
A23N17/001	A23K1/12-A23K1/22	Informative references	A23K10/32-A23K20/30, A23K50/00-A23K50/90
A23N17/002	A23K1/10	References relevant to classification in this subclass	A23K10/20-A23K10/26
A23N17/004	A23K3/00	References relevant to classification in this subclass	A23K30/00

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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>
A23N17/005	A23K1/001	References relevant to classification in this subclass	A23K40/00
A61D	A23K1/17	References relevant to classification in this subclass	A23K20/195
A61K31/00	A23K1/00	Informative references	A23K10/00
A61K33/00	A23K1/00	Informative references	A23K10/00
A61K45/06	A23K1/00	Informative references	A23K10/00
B01J13/00	A23K1/004	Informative references	A23K40/30
B02B	A23K1/00	Informative references	A23K10/00
B09B	A23K1/06	Informative references	A23K10/38
B09B	A23K1/08	Informative references	A23K10/28
B09B	A23K1/10	Informative references	A23K10/10
C07K	A23K1/1631	Informative references	A23K20/147
C08B	A23K1/00	References relevant to classification in this subclass	A23K10/00
C12N1/00	A23K1/008	Informative references	A23K10/16
C12N1/00	A23K3/035	Informative references	A23K30/18
C12P	A23K1/165	References relevant to classification in this subclass	A23K20/184, A23K20/189
C12P	A23K3/035	References relevant to classification in this subclass	A23K30/18
C12P7/00	A23K1/06	References relevant to classification in this subclass	A23K10/38
C12P21/00	A23K1/165	Informative references	A23K20/189

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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>
C12P21/00	A23K3/035	Informative references	A23K30/18
C13K	A23K1/12	Limiting references	A23K10/32
C13K	A23K1/14	Limiting references	A23K10/30

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.