

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 641

DATE: FEBRUARY 1, 2019

PROJECT RP0578

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:	A01G	Subclass
	A01G	3/00, 3/06
	A01G	5/06
	A01G	7/00, 7/02
	A01G	9/00, 9/02, 9/029
	A01G	11/00
	A01G	13/06, 13/10
	A01G	15/00
	A01G	23/08, 23/095
	A01G	25/00, 25/02, 25/06, 25/16
	A01G	31/02
	C12N	1/12
Warnings Modified:	A01G	9/00
	A01G	18/00
Notes Deleted:	A01G	23/02
DEFINITIONS:		
Definitions New:	A01G	5/06
	A01G	7/02
	A01G	13/06, 13/10
	A01G	18/00
	A01G	20/00
	A01G	23/02, 23/08, 23/095
	A01G	24/00
	A01G	25/06
	A01G	31/02
Definitions Modified:	A01G	Subclass
	A01G	3/00
	A01G	5/00
	A01G	7/00
	A01G	11/00
	A01G	15/00
	A01G	25/00
	C12N	1/12

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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)

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 A01G - HORTICULTURE; CULTIVATION OF VEGETABLES, FLOWERS, RICE, FRUIT, VINES, HOPS OR SEAWEED; FORESTRY; WATERING (picking of fruits, vegetables, hops, or the like A01D 46/00; plant reproduction by tissue culture techniques A01H 4/00; devices for topping or skinning onions or flower bulbs A23N 15/08; propagating unicellular algae C12N 1/12; plant cell culture C12N 5/00)

<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	A01G		HORTICULTURE; CULTIVATION OF VEGETABLES, FLOWERS, RICE, FRUIT, VINES, HOPS OR SEAWEED; FORESTRY; WATERING (picking of fruits, vegetables, hops or the like A01D 46/00; propagating unicellular algae C12N 1/12)	
M	A01G 3/00	0	Cutting implements specially adapted for horticultural purposes; Delimiting standing trees (forestry delimiters A01G 23/095)	
M	A01G 3/06	1	Hand-held edge trimmers or shears for lawns	
M	A01G 5/06	1	Devices for preserving flowers	
M	A01G 7/00	0	Botany in general	
M	A01G 7/02	1	Treatment of plants with carbon dioxide	
M	A01G 9/00	0	Cultivation in receptacles, forcing-frames or greenhouses (of mushrooms A01G 18/00; soilless cultivation A01G 31/00); Edging for beds, lawn or the like	
M	A01G 9/02	1	Receptacles, e.g. flower-pots or boxes (self-acting watering devices A01G27/00; hanging flower baskets, holders or containers for flower-pots A47G7/00); Glasses for cultivating flowers	
M	A01G 9/029	2	Receptacles for seedlings (growth substrates in block form A01G 24/44)	

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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[#]
M	A01G 11/00	0	Sterilising soil by steam	
M	A01G 13/06	1	Devices for generating heat, smoke or fog in gardens, orchards or forests, e.g. to prevent damage by frost	
M	A01G 13/10	1	Devices for affording protection against animals, birds or other pests ({A01G 13/0243 takes precedence;} scaring or repelling devices A01M 29/00)	
M	A01G 15/00	0	Devices or methods for influencing weather conditions	
M	A01G 23/08	2	Felling trees	
M	A01G 23/095	2	Delimbers (A01G 23/083 takes precedence)	
M	A01G 25/00		Watering gardens, fields, sports grounds or the like (special apparatus or adaptations for fertilising-liquids A01C 23/00; nozzles or outlets, spraying apparatus B05B)	
M	A01G 25/02	1	Watering arrangements located above the soil which make use of perforated pipe-lines or pipe-lines with dispensing fittings, e.g. for drip irrigation	
M	A01G 25/06	1	Watering arrangements making use of perforated pipe-lines located in the soil	
M	A01G 25/16	1	Control of watering	
M	A01G 31/02	1	Special apparatus therefor (self-acting watering devices A01G 27/00)	

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SUBCLASS C12N - MICROORGANISMS OR ENZYMES; COMPOSITIONS THEREOF (biocides, pest repellants or attractants, or plant growth regulators, containing microorganisms, viruses, microbial fungi, enzymes, fermentates or substances produced by or extracted from microorganisms or animal material A01N63/00; food compositions A21, A23; medicinal preparations A61K; chemical aspects of, or use of materials for, bandages, dressings, absorbent pads or surgical articles A61L; fertilisers C05); PROPAGATING, PRESERVING OR MAINTAINING MICROORGANISMS (preservation of living parts of humans or animals A01N1/02); MUTATION OR GENETIC ENGINEERING; CULTURE MEDIA (microbiological testing media C12Q)

<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	C12N 1/12	1	Unicellular algae; Culture media therefor (as new plants A01H 13/00)	

*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 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 A01G - HORTICULTURE; CULTIVATION OF VEGETABLES, FLOWERS, RICE, FRUIT, VINES, HOPS OR SEAWEED; FORESTRY; WATERING (picking of fruits, vegetables, hops, or the like A01D 46/00; plant reproduction by tissue culture techniques A01H 4/00; devices for topping or skinning onions or flower bulbs A23N 15/08; propagating unicellular algae C12N 1/12; plant cell culture C12N 5/00)

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
M	A01G 9/00	Group A01G 9/00 is impacted by reclassification into groups A01G 18/60 and A01G 9/28. Groups A01G 9/00, A01G 18/60, and A01G 9/28 should be considered in order to perform a complete search.	Group A01G 9/00 is impacted by reclassification into groups A01G 18/00, A01G 18/60 and A01G 9/28. Groups A01G 9/00, A01G 18/00, A01G 18/60 and A01G 9/28 should be considered in order to perform a complete search.
M	A01G 18/00	Group A01G 18/00 is impacted by reclassification into groups A01G 18/10, A01G 18/20, A01G 18/22, A01G 18/30, A01G 18/40, A01G 18/50, A01G 18/55, A01G 18/60, A01G 18/61, A01G 18/62, A01G 18/64, A01G 18/65, A01G 18/66, A01G 18/68, A01G 18/69, A01G 18/70, and A01G 18/80. All groups listed in this Warning should be considered in order to perform a complete search.	Group A01G 18/00 is incomplete pending reclassification of documents from group A01G 9/00. Group A01G 18/00 is also impacted by reclassification into group(s) groups A01G 9/00, A01G 18/10, A01G 18/20, A01G 18/22, A01G 18/30, A01G 18/40, A01G 18/50, A01G 18/55, A01G 18/60, A01G 18/61, A01G 18/62, A01G 18/64, A01G 18/65, A01G 18/66, A01G 18/68, A01G 18/69, A01G 18/70, and A01G 18/80. All groups listed in this Warning should be considered in order to perform a complete search.

*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.

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C. New, Modified or Deleted Note(s)

SUBCLASS A01G - HORTICULTURE; CULTIVATION OF VEGETABLES, FLOWERS, RICE, FRUIT, VINES, HOPS OR SEAWEED; FORESTRY; WATERING (picking of fruits, vegetables, hops, or the like A01D 46/00; plant reproduction by tissue culture techniques A01H 4/00; devices for topping or skinning onions or flower bulbs A23N 15/08; propagating unicellular algae C12N 1/12; plant cell culture C12N 5/00)

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
D	A01G 23/02	Tree feeding devices are covered by group B27B 25/00	

*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 (new)

Insert: The following new Definitions:

A01G 5/06

Definition statement

This place covers:

Devices to help preserve cut flowers.

References

Informative references

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

Chemical substances for preserving flowers	A01N 3/02
Flower vases	A47G 7/06

A01G 7/02

References

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Greenhouses therefor	A01G 9/18
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A01G 13/06**References*****Informative references****Attention is drawn to the following places, which may be of interest for search:*

Chemical aspects of generating smoke or mist	C06D 3/00
Heating devices in general, see the appropriate classes	F24

A01G 13/10**References*****Limiting references****This place does not cover:*

Protective shelters for young plants	A01G 13/0243
Scaring or repelling devices	A01M 29/00

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

Traps	A01M 23/00
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A01G 18/00**References*****Informative References****Attention is drawn to the following places, which may be of interest for search:*

Harvesting of standing crops	A01D 45/00
Fungi	C12N 1/14
Organic fertilisers containing added bacterial cultures, mycelia or the like	C05F 11/08

A01G 20/00**References*****Limiting references****This place does not cover:*

Handheld edge trimmers or shears for lawn	A01G 3/06
Edging for lawn	A01G 9/28
Lawn-mowers	A01D 34/00

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

Flat containers for turf, lawn or the like	A01G 9/033
Growth substrates in mat form	A01G 24/44
Hand tools for treating meadows or lawns	A01B 1/24
Machines for treating meadows or lawns	A01B 45/00
Rollers for consolidating or finishing laid-down unset materials	E01C 19/23

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Removing undesirable matter from roads or like surfaces	E01H 1/00
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Synonyms and Keywords

In patent documents, the following words/expressions are often used as synonyms:

Turf, Sod, Grass, Lawn, Meadows

A01G 23/02

References

Limiting references

This place does not cover:

Delimiting standing trees	A01G 3/00
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Informative References

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

Tree feeding devices	B27B 25/00
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A01G 23/08

References

Informative References

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

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Axes	B26B 23/00
Saws or sawing machines	B27B

A01G 23/095

References

Informative References

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

Manufacture of wood shavings, chips, powder or the like	B27L 11/00
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A01G 24/00

References

Limiting references

This place does not cover:

Growth substrates or culture media for mushrooms	A01G 18/20
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Informative References

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

Fertilisers; Manufacture thereof	C05F
Soil-conditioning or soil-stabilising materials	C09K 17/00
Planted mats for growing turf	A01G 20/20

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A01G 25/06

References

Informative References

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

Similar arrangements for drainage	E02B 11/00
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A01G 31/02

References

Limiting references

This place does not cover:

Self-acting watering devices	A01G 27/00
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Informative References

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

Apparatus for cultivation in receptacles or greenhouses in general	A01G 9/00
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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>
A01G	Limiting references	<p>plant reproduction by tissue culture techniques A01H 4/00</p> <p>Flowering plants characterised by their plant parts A01H 5/00</p> <p>Flowering plants characterised by their botanic taxonomy A01H 6/00</p> <p>devices for topping or skinning onions or flower bulbs A23N 15/08</p> <p>plant cell culture C12N 5/00</p>	<p>Delete: the following <u>five</u> rows from the Limiting references table:</p> <p>plant reproduction by tissue culture techniques A01H 4/00</p> <p>Flowering plants characterised by their plant parts A01H 5/00</p> <p>Flowering plants characterised by their botanic taxonomy A01H 6/00</p> <p>devices for topping or skinning onions or flower bulbs A23N 15/08</p> <p>plant cell culture C12N 5/00</p>
A01G	Informative references		<p>Insert: a new Informative references section with the following <u>five</u> table rows:</p> <p><i>Informative references</i></p> <p><i>Attention is drawn to the following places, which may be of interest for search:</i></p> <p>plant reproduction by tissue culture techniques A01H 4/00</p> <p>Flowering plants characterised by their plant parts A01H 5/00</p> <p>Flowering plants characterised by their botanic taxonomy A01H 6/00</p> <p>devices for topping or skinning onions or flower bulbs A23N 15/08</p> <p>plant cell culture C12N 5/00</p>

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<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>
A01G 3/00	Limiting references	Delimiting felling trees A01G 23/08 Harvesting and mowing A01D hand-held cutting tools suitable for other use B26B	Delete: the following three rows from the Limiting references table: Delimiting felling trees A01G 23/08 Harvesting and mowing A01D hand-held cutting tools suitable for other use B26B
A01G 3/00	Limiting references	Forestry delimiters A01G23/00	Replace: the symbol in the following Limiting references row so that the row reads as follows: Forestry delimiters A01G 23/095
A01G 3/00	Informative References	Cutting tools in general B26B	Delete: the following row from the Informative references table: Cutting tools in general B26B
A01G 3/00	Informative References		Insert: the following two new rows into the Informative references table: Mowers having rotating flexible line cutters A01D 34/416 Special adaptation of mowers for carrying by the operator A01D 34/90
A01G 5/00	Limiting references	Chemical substances for preserving flowers A01N 3/02 Flower vases A47G 7/06	Delete: the entire Limiting references section.
A01G 7/00	Limiting references	Soilless Cultivation A01G 31/00	Delete: The entire Limiting references section.

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<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>
A01G 7/00	Informative reference		<p><u>Insert:</u> a new Informative references section with the following table row:</p> <p><i>Informative references</i></p> <p><i>Attention is drawn to the following places, which may be of interest for search:</i></p> <p>Soilless Cultivation A01G 31/00</p>
A01G 11/00	Limiting references	Soil-conditioning or soil-stabilising materials C09K 17/00	<u>Delete:</u> the entire Limiting references section.
A01G 11/00	Informative reference		<p><u>Insert:</u> a new Informative references section with the following table row:</p> <p><i>Informative references</i></p> <p><i>Attention is drawn to the following places, which may be of interest for search:</i></p> <p>Soil-conditioning or soil-stabilising materials C09K 17/00</p>
A01G 15/00	Limiting references	Protecting plants against frost A01G 13/00 Dispersing fog in general E01H 13/00	<u>Delete:</u> the entire Limiting references section.
A01G 15/00	Informative reference		<p><u>Insert:</u> a new Informative references section with the following table row:</p> <p><i>Informative references</i></p> <p><i>Attention is drawn to the following places, which may be of interest for search:</i></p> <p>Dispersing fog in general E01H 13/00</p>

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<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>
A01G 25/00	Limiting references	Irrigation channels E02B 13/00	Delete: the following row from the Limiting references table: Irrigation channels E02B 13/00
A01G 25/00	Special rules of classification		Insert: a Special rules of classification section as follows: Special rules of classification Looping references between A01G25/00 and A01C 23/00 have been identified. Until this inconsistency is resolved, the current classification practice in CPC is as follows: A01C23/00 is limiting in A01G25/00 and A01G 25/00 is informative in A01C 23/00.
C12N 1/12	Limiting references		Replace: all of the existing rows in the Limiting references table with the following single row: As new plants A01H 13/00
C12N 1/12	Informative references		Insert: a new Informative references section with the following <u>seven</u> table rows: Informative references <i>Attention is drawn to the following places, which may be of interest for search:</i> Naturally isolated microorganisms, or mutant microorganisms in which the mutation is undefined or cannot be defined, if an adapted or attenuated microorganism is obtained C12N 1/36 Microorganisms expressing a defined gene (if an operon is expressed) C12N 15/52 Cosmetic or medicinal compositions or preparations comprising a

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<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>
			<p>microorganism A61K, A61K 35/66</p> <p>Mutant microorganisms in which the mutation is defined (according to the defined mutation) C07K14/00, C12N9/00, C12Y</p> <p>Microorganisms expressing a defined gene (according to the defined gene) C07K14/00, C12N9/00, C12Y</p> <p>Processes for the preparation of a compound or substance using a microorganism C12P</p> <p>Naturally isolated microorganisms, or mutant microorganisms in which the mutation is undefined or cannot be defined C12R 1/00</p>

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.