

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1585

DATE: JANUARY 1, 2024

PROJECT RP12210

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:	A01K	SUBCLASS
	A01K	67/00, 67/027, 67/0271, 67/0273, 67/0275, 67/0276, 67/0278
Notes Modified:	A01K	67/02, 67/027
DEFINITIONS:		
Definitions Modified:	A01K	67/02, 67/027

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 A01K - ANIMAL HUSBANDRY; CARE OF BIRDS, FISHES, INSECTS; FISHING; REARING OR BREEDING ANIMALS, NOT OTHERWISE PROVIDED FOR; NEW BREEDS OF ANIMALS

<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	A01K	subclass	ANIMAL HUSBANDRY; AVICULTURE; APICULTURE; PISCICULTURE; FISHING; REARING OR BREEDING ANIMALS, NOT OTHERWISE PROVIDED FOR; NEW BREEDS OF ANIMALS	
M	A01K 67/00	0	Rearing or breeding animals, not otherwise provided for; New or modified breeds of animals	
M	A01K 67/027	1	New or modified breeds of vertebrates	
M	A01K 67/0271	2	Chimeric vertebrates, e.g. comprising exogenous cells	
M	A01K 67/0273	2	Cloned vertebrates	
M	A01K 67/0275	2	Genetically modified vertebrates, e.g. transgenic	
M	A01K 67/0276	3	Knock-out vertebrates	
M	A01K 67/0278	3	Knock-in vertebrates, e.g. humanised vertebrates	

*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 .

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- “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)

SUBCLASS A01K - ANIMAL HUSBANDRY; CARE OF BIRDS, FISHES, INSECTS; FISHING; REARING OR BREEDING ANIMALS, NOT OTHERWISE PROVIDED FOR; NEW BREEDS OF ANIMALS

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
M	A01K67/02	{Documents relating to new peptides or new DNA or its corresponding mRNA encoding for peptides, and their use for the obtention of transgenic animals, are classified in subclass C07K or in group C12N9/00 according to the peptides, with the appropriate indexing codes }	{Documents relating to new peptides or new DNA or its corresponding mRNA encoding for peptides and their use for the obtention of transgenic animals are classified in subclass C07K or in group C12N9/00 according to the peptides, and are given the appropriate Indexing Codes. }
M	A01K67/027	In group A01K 67/027, it is desirable to add the indexing codes of A01K 2227/00 and subgroups relating to animals characterised by species. In group A01K 67/027 it is desirable to add the indexing codes of A01K 2267/00 and subgroups relating to animals characterised by their purpose	{In group A01K 67/027, it is desirable to add the Indexing Codes of A01K 2227/00 and subgroups relating to animals characterised by species and to add the Indexing Codes of A01K 2267/00 and subgroups relating to animals characterised by their purpose. In groups A01K 67/0275-A01K 67/0278, A01K 67/0333 and subgroups thereof, it is also desirable to add the Indexing Codes of A01K 2217/00 and subgroups to characterise specific aspects of the genetically modified animals or the Indexing Codes of A01K 2267/00 and subgroups to characterise the purpose of the animals. }

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

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

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2. A. DEFINITIONS (modified)

A01K 67/02

Replace: The existing Special rules text with the following updated text.

Special rules of classification

Documents relating to new peptides or new DNA or its corresponding mRNA encoding for peptides and their use for the obtention of transgenic animals are classified in subclass C07K or in group C12N9/00 according to the peptides, and are given the appropriate Indexing Codes.

A01K 67/027

Replace: The existing Definition statement text with the following updated text.

Definition statement

This place covers:

The germline of vertebrates can be altered by insertion, deletion and/or mutation of genetic material. Such genetically modified vertebrates can be used, for example, to produce heterologous proteins or as models for diseases.

In addition, new breeds of vertebrates which do not necessarily comprise a modified germline are classified here.

Replace: The existing Relationships text with the following updated text.

Relationships with other classification places

Symbols in the A01K 67/027 - A01K 67/0278 range are used in combination with C12N 15/8509 and subgroups if a meaningful disclosure of the vector (system) for transgenesis is given.

Processes of producing embryos, including cloning of vertebrates, are additionally indicated by C12N 15/873 - C12N 15/8778 symbols.

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References

Delete: The entire Limiting references section.

Replace: The existing Informative references table text with the following updated text.

Informative references

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

Breeding of animals	A01K 67/02
Screening of agents using (transgenic) animal models	A61K 49/0008
Preservation of embryos	A01N 1/02
Specific proteins used for transgenesis	C07K 14/00
Embryonic and germ cells per se	C12N 5/0602
Specific enzymes used for transgenesis	C12N 9/00
Further aspects of vectors	C12N 2800/00- C12N 2840/00
Testing involving animals	G01N 33/5082
Techniques for producing new embryos	C12N 15/873- C12N 15/8778

Replace: The existing Special rules text with the following updated text.

Special rules of classification

Modified vertebrates are classified in A01K 67/027 - A01K 67/0278, C12N 15/8509, C12N 15/873, C12N 15/877 (relating to vectors and methods for producing such vertebrates) and the following ranges of symbols (except C12N 2015/8554 concerning invertebrate models for Alzheimer's disease) must be given (i.e. compulsory) to indicate further aspects thereof.

Transgenic vertebrates are classified in A01K 67/0275-A01K 67/0278.

Chimeric vertebrates comprising somatic cells from another individual or species are classified in A01K 67/0271 and cloned vertebrates are classified in A01K67/0273.

A01K 2207/00-A01K 2207/35 relates to modifications that do not affect the germline.

A01K 2217/00-A01K 2217/30 indicates various technical aspects of genetic modification.

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A01K 2227/00-A01K 2227/50 defines the species of the (genetically modified) vertebrate.

A01K 2267/00-A01K 2267/0393 indicates the purpose of the (genetically modified) vertebrate.

Whereas symbols in the A01K 2217/00 range are restricted to genetically modified vertebrates, the symbols in the A01K 2207/00, A01K 2227/00 and A01K 2267/00 ranges are used for all modified vertebrates covered by A01K 67/027 - A01K 67/0278, C12N 15/8509 (except C12N 2015/8554 concerning invertebrate models for Alzheimer's disease), C12N 15/73 and C12N 15/877. Please note that multiple symbols from each category may be required to cover all disclosed aspects.

Genetically modified vertebrates:

When a genetically modified vertebrate is actually made, A01K 67/0275-A01K 67/0278 needs to be given, whereby the last place rule applies. If a vector for transgenesis is disclosed, then additionally the C12N 15/8509 symbol needs to be given. The specific aspects of the vertebrate are to be indicated with symbols in the A01K 2217/00 - A01K 2217/30, A01K 2227/00 - A01K 2227/50 and A01K 2267/00 - A01K 2267/0393 ranges, which must always be given. When a human transgene is introduced, A01K 2207/15 is to be added.

Special elements of the vectors are indicated using symbols in the C12N 2800/00 - C12N 2840/00 ranges, whereby A01K 2217/203 takes precedence over C12N 2830/001 - C12N 2830/006, and A01K 2217/206 takes precedence over C12N 2830/008. The C12N 2830/001 - C12N 2830/008 symbols are only to be given if the invention actually resides in these elements.

If the transgene can be meaningfully indicated, C07K 14/00 and/or C12N 9/00 symbols are to be given. If a viral vector is used for transgenesis, the relevant symbol from the C12N 2710/00 - C12N 2795/00 range combining the taxonomy of the virus with the ending 43 (for use as a genetic vector) must be given.

Chimeric vertebrates:

Chimeric vertebrates (A01K 67/0271) may result from combining cells at the embryonic stage (e.g. the sheep-goat chimera 'geep') or from exogenously added cells later in development, for instance, transfer of functional immune system cells to immunocompromised mice or transplantation of tumour cells to form a tumour model.

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The specific species (from the A01K 2227/00 series) and purpose (from the A01K 2267/00 series) of the chimeric vertebrate must be indicated. When human cells are introduced, A01K 2207/15 is to be added.

When a chimeric vertebrate is disclosed, which does not relate to the core of the invention, then A01K 2207/12 is to be given.

Cloned mammals:

Documents relating to methods of producing cloned mammals (C12N 15/877 and subgroups) should also be classified in A01K 67/0273 if cloned mammals have actually been obtained. In addition, the appropriate A01K 2227/00 symbol should be given to indicate the species, and where relevant, the purpose (A01K 2267/00). When manipulation of (germ) cells is involved, then C12N 5/00 symbols should also be considered, following the classification rules of said field.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
A01K 67/0271	A01K 67/0271	UPDATED
A01K 67/0273	A01K 67/0273	UPDATED
A01K 67/0275	A01K 67/0275	UPDATED
A01K 67/0276	A01K 67/0276	UPDATED
A01K 67/0278	A01K 67/0278	UPDATED

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