

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 643

DATE: FEBRUARY 1, 2019

PROJECT RP0567

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:	H02J	Subclass
	H02J	1/02, 1/10, 1/14
	H02J	3/01, 3/18, 3/34
	H02J	9/00
	H02J	11/00
DEFINITIONS:		
Definitions New:	H02J	3/34
Definitions Modified:	H02J	Subclass
	H02J	1/02, 1/10, 1/14
	H02J	3/01, 3/18
	H02J	9/00
	H02J	11/00

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)

CPC NOTICE OF CHANGES 643

DATE: FEBRUARY 1, 2019

PROJECT RP0567

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS H02J - CIRCUIT ARRANGEMENTS OR SYSTEMS FOR SUPPLYING OR DISTRIBUTING ELECTRIC POWER; SYSTEMS FOR STORING ELECTRIC ENERGY

<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	H02J	Subclass	CIRCUIT ARRANGEMENTS OR SYSTEMS FOR SUPPLYING OR DISTRIBUTING ELECTRIC POWER; SYSTEMS FOR STORING ELECTRIC ENERGY	
M	H02J 1/02	1	Arrangements for reducing harmonics or ripples	
M	H02J 1/10	1	Parallel operation of dc sources	
M	H02J 1/14	1	Balancing the load in a network	
M	H02J 3/01	1	Arrangements for reducing harmonics or ripples	
M	H02J 3/18	1	Arrangements for adjusting, eliminating or compensating reactive power in networks (for adjustment of voltage H02J 3/16)	
M	H02J 3/34	1	Arrangements for transfer of electric power between networks of substantially different frequency	
M	H02J 9/00	0	Circuit arrangements for emergency or stand-by power supply, e.g. for emergency lighting	
M	H02J 11/00	0	Circuit arrangements for providing service supply to auxiliaries of stations in which electric power is generated, distributed or converted	

CPC NOTICE OF CHANGES 643

DATE: FEBRUARY 1, 2019

PROJECT RP0567

*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.

2. A. DEFINITIONS (new)

Insert: The following new Definition:

H02J 3/34

References

Informative references

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

Frequency converters	H02M 5/00
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DATE: FEBRUARY 1, 2019

PROJECT RP0567

2. A. DEFINITIONS (modified)

H02J

References

Limited references

Delete: The entire Limiting references section: heading, preamble, and table.

Insert: The following new Application-oriented references section.

Application-oriented references

Power supply circuits for apparatus for measuring X-radiation, gamma radiation, corpuscular radiation or cosmic radiation	G01T 1/175
Electric power supply circuits specially adapted for use in electronic time-pieces with no moving parts	G04G 19/00
For digital computers	G06F 1/26
For discharge tubes	H01J 37/248

Informative references

Insert: The following seven additional table rows into the existing Informative references section:

Vessels networks	B63J
Aircraft networks	B64D
Power supplies for movable barriers, electric doors, electric sunshades	E06B
Circuits or apparatus for the conversion of electric power, arrangements for control or regulation of such circuits or apparatus	H02M
Control of a single motor or generator, of the types covered by subclass H02N	H02N
Interrelated control of several motors, control of a prime-mover/generator combination	H02P
Control of high-frequency power	H03L

DATE: FEBRUARY 1, 2019

PROJECT RP0567

Special rules of classification

Replace: The existing Special rules of classification text with the following new text:

Claimed devices, systems, and methods always have to be classified. If there is additional information disclosed, then indexing codes for the additional information must be allocated.

If a breakdown indexing code of the subclass [H02J](#) (only for additional information) is given, it must always be accompanied by a main trunk symbol under [H02J](#), for invention or additional information. For example, if a document gets the breakdown indexing code [H02J 2003/001](#) only, the document will not be automatically retrieved when checking the documents having the main trunk symbol [H02J 3/00](#) as additional information. On practice, the document will not be considered part of the [H02J 3/00](#) collection.

H02J 1/02

References

Delete: The entire existing Limiting references section.

Insert: The following new Application-oriented references section:

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:

In converters	H02M 1/14
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H02J 1/10

References

Delete: The entire existing Limiting references section.

Insert: The following new Application-oriented references section:

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:

Involving batteries	H02J 7/34
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H02J 1/14

Insert: The following new Relationships with other classification places section:

Relationships with other classification places

Group H02J 1/14, in practice, relates for load shedding. Load balancing by buffering is classified in group H02J 7/34.

Limiting References

Delete: The entire existing Limiting references section.

Application-oriented references

Insert: The following new Application-oriented references section:

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:

By batteries	H02J 7/34
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DATE: FEBRUARY 1, 2019

PROJECT RP0567

H02J 3/01

References

Delete: The entire existing 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:

In converters	H02M 1/12
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H02J 3/18

References

Insert: The following new Limiting references section:

Limiting references

This place does not cover:

For adjustment of voltage	H02J 3/16
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Informative references

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

Use of Petersen coils	H02H 9/08
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DATE: FEBRUARY 1, 2019

PROJECT RP0567

H02J 9/00

Definition statement

Delete: The following sentence from the end of the second Definition statement:

It is common practice (even at IPC level) to classify them under H02J 9/00.

References

Delete: The entire existing 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:

With provision for charging standby battery	H02J 7/00
UPS for computers	G06F 1/00
UPS for communication stations	H04M
Details of lamp	H05B 37/00

H02J 11/00

References

Delete: The entire existing 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:

Emergency or standby arrangements	H02J 9/00
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