

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1166

DATE: JANUARY 1, 2022

PROJECT RP0547-F

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	H01L	27/3295, 27/3297
	H01L	51/5052
Warnings Deleted:	H01L	27/3246, 27/3276, 27/3283, 27/3288, 27/3295, 27/3297
	H01L	51/5052, 51/506, 51/5076

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 H01L – SEMICONDUCTOR DEVICES; ELECTRIC SOLID STATE DEVICES NOT OTHERWISE PROVIDED FOR (....)

<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>
D	H01L 27/3295	4	{including banks or shadow masks}	<no transfer>
D	H01L 27/3297	4	{Wiring lines, e.g. power supply lines}	<no transfer>
D	H01L 51/5052	3	{Doped transporting layer}	<no transfer>

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T = existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalisation projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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PROJECT RP0547-F

B. New, Modified or Deleted Warning(s)

SUBCLASS H01L – SEMICONDUCTOR DEVICES; ELECTRIC SOLID STATE DEVICES NOT OTHERWISE PROVIDED FOR (....)

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
D	H01L 27/3246	Group H01L 27/3246 is incomplete pending reclassification of documents from group H01L 27/3295. Groups H01L 27/3295 and H01L 27/3246 should be considered in order to perform a complete search.	<u>Delete</u> the entire Warning.
D	H01L 27/3276	Group H01L 27/3276 is incomplete pending reclassification of documents from group H01L 27/3297. Groups H01L 27/3297 and H01L 27/3276 should be considered in order to perform a complete search.	<u>Delete</u> the entire Warning.
D	H01L 27/3283	Group H01L 27/3283 is incomplete pending reclassification of documents from group H01L 27/3295. Groups H01L 27/3295 and H01L 27/3283 should be considered in order to perform a complete search.	<u>Delete</u> the entire Warning.
D	H01L 27/3288	Group H01L 27/3288 is incomplete pending reclassification of documents from group H01L 27/3297. Groups H01L 27/3297 and H01L 27/3288 should be considered in order to perform a complete search.	<u>Delete</u> the entire Warning.
D	H01L 27/3295	Group H01L 27/3295 is no longer used for the classification of documents as of January 1, 2020. The content of this group is being reclassified into groups H01L 27/3246 and H01L 27/3283. Groups H01L 27/3295, H01L 27/3246, and H01L 27/3283 should be considered in order to perform a complete search.	<u>Delete</u> the entire Warning.
D	H01L 27/3297	Group H01L 27/3297 is no longer used for the classification of documents as of January 1, 2020. The content of this group is being reclassified into groups H01L 27/3276 and H01L 27/3288. Groups H01L 27/3297, H01L 27/3276, and H01L 27/3288 should be considered in order to perform a complete search.	<u>Delete</u> the entire Warning.

CPC NOTICE OF CHANGES 1166

DATE: JANUARY 1, 2022

PROJECT RP0547-F

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
D	H01L 51/5052	Groups H01L51/5052 is no longer used for the classification of documents as of January 1, 2020. The content of this group is being reclassified into groups H01L51/506 and H01L51/5076. Groups H01L51/5052, H01L51/506 and H01L51/5076 should be considered in order to perform a complete search.	<u>Delete</u> the entire Warning.
D	H01L 51/506	Group H01L 51/506 is incomplete pending reclassification of documents from group H01L 51/5052. Groups H01L 51/5052 and H01L 51/506 should be considered in order to perform a complete search.	<u>Delete</u> the entire Warning.
D	H01L 51/5076	Group H01L 51/5076 is incomplete pending reclassification of documents from group H01L 51/5052. Groups H01L 51/5052 and H01L 51/5076 should be considered in order to perform a complete search.	<u>Delete</u> the entire Warning.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H01L 27/3295		DELETE
H01L 27/3297		DELETE
H01L 51/5052		DELETE

*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.