EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 760

DATE: JAURARY 1, 2020

PROJECT RP0547

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

Action*	Subclass	Group(s)
SCHEME:		
Symbols Deleted:	H01L	2021/28543, 2051/0063
Symbols Deleted Pending Reclassification: (frozen (F))	H01L	27/3295, 27/3297
	H01L	51/5052
Titles Changed:	H01L	27/3246, 27/3283
	H01L	51/007
Warnings Deleted:	H01L	27/3241
Warnings New:	H01L	27/3246, 27/3276, 27/3283, 27/3288, 27/3295, 27/3297
	H01L	51/5052, 51/506, 51/5076
DEFINITIONS:		
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)	H01L	27/3295, 27/3297
	H01L	51/5052
Definitions Modified:	H01L	27/3241, 27/3246, 27/3276, 27/3283, 27/3288

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)

DATE: JAURARY 1, 2020

PROJECT RP0547

3. ☒   REVISION CONCORDANCE LIST (RCL)

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

5. ☐   CHANGES TO THE CROSS-REFERENCE LIST (CRL)

DATE: JAURARY 1, 2020

PROJECT RP0547

1. CLASSIFICATION SCHEME CHANGES

    A. New, Modified or Deleted Group(s)

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

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#
D	H01L 2021/28543	9	{on semiconductor bodies comprising diamond}	\<administrative transfer to H01L 21/0425\>
T	H01L 27/3246	5	{Pixel defining structures, e.g. banks}	
T	H01L 27/3283	5	{including banks or shadow masks}	
F	H01L 27/3295	4	{including banks or shadow masks}	H01L 27/3246, H01L 27/3283
F	H01L 27/3297	4	{Wiring lines, e.g. power supply lines}	H01L 27/3276, H01L 27/3288
D	H01L 2051/0063	4	{Oxadiazole Compounds}	\<administrative transfer to H01L 51/007\>
T	H01L 51/007	5	{Oxadiazole compounds}	
F	H01L 51/5052	3	{Doped transporting layer}	H01L 51/506, H01L 51/5076

*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.

B.   New, Modified or Deleted Warning(s)

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

Type*	Location	Old Warning	New/Modified Warning
D	H01L 27/3241	From 1.2.2012 onwards, groups H01L 27/3295 and H01L 27/3297 are no longer used for classification of new documents. The backfile is being reclassified to H01L 27/3244 and H01L 27/3281 and subgroups thereof	Delete the existing Warning
N	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.
N	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.
N	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.
N	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.
N	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.
N	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

DATE: JAURARY 1, 2020

PROJECT RP0547

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

*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.

2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H01L27/3241	Limiting references		**Delete** entire section.
H01L27/3241	Informative references		**Add** the following **NEW** reference: Segment type OLED displays H01L27/3237
H01L27/3241	Specials rules of classification		**Replace** the existing text with the following: If the display can be either an active and passive matrix display, both the groups H01L 27/3244 AND H01L 27/3281 are given rather than H01L 27/3241.
H01L27/3246	Specials rules of classification		**Replace** the existing text with the following: If the display can be either an active and passive matrix display, both the groups H01L 27/3246 AND H01L 27/3283 are given.
H01L27/3276	Limiting references		**Delete** entire section.
H01L27/3276	Specials rules of classification		**Replace** the existing text with the following: If the display can be either an active and passive matrix display, both the groups H01L 27/3276 AND H01L 27/3288 are given.
H01L27/3283	Specials rules of classification		**Replace** the existing text with the following: If the display can be either an active and passive matrix display, both the groups H01L 27/3246 AND H01L 27/3283 are given.
H01L27/3288	Specials rules of classification		**Replace** the existing text with the following: If the display can be either an active and passive matrix display, both the groups H01L 27/3276 AND H01L 27/3288 are given.
H01L27/3295	Definition		**Delete** the entire Definition.
H01L27/3297	Definition		**Delete** the entire Definition.
H01L51/5052	Definition		**Delete** the entire Definition.

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.

3.   REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	H01L 2021/28543	<administrative transfer to H01L 21/0425>
F	H01L 27/3295	H01L 27/3246, H01L 27/3283
F	H01L 27/3297	H01L 27/3276, H01L 27/3288
D	H01L 2051/0063	<administrative transfer to H01L 51/007>
F	H01L 51/5052	H01L 51/506, H01L 51/5076

* 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; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:
- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the "To" column, do not use ranges of symbols.
- 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 ("To") symbol, however it is required to specify "<no transfer>" in the "To" column for such cases.
- RCL is not needed for finalisation projects.

DATE: JAURARY 1, 2020

PROJECT RP0547

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

CPC	**IPC**	**Action***
H01L 2021/28543		DELETE
H01L 2051/0063		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.