EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 98

DATE: JULY 1, 2015

PROJECT RP0104

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

Action*	Subclass	Group(s)
Symbols deleted:	H04J	14/0231
	H04J	14/0243
Title wording change:	H04J	14/0227
	H04J	14/0228
	H04J	14/0238
	H04J	14/0241
	H04J	14/0247
	H04J	14/0249
	H04J	14/025
	H04J	14/0252
	H04J	14/0258
	H04J	14/0267
	H04J	14/0268
	H04J	14/0269
Indent change:	H04J	14/0232
	H04J	14/0234
	H04J	14/0235
	H04J	14/0236
	H04J	14/0245
	H04J	14/0246
	H04J	14/0247
	H04J	14/0249
	H04J	14/025
	H04J	14/0252
	H04J	2014/0253
New/modified/deleted Definitions (no frozen (F)symbol definitions should deleted):	H04J	14/0227

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 Notice(s)

        ☐ C. New, Modified or Deleted Note(s)

☐ D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS (New or Modified)
   ☒ A. DEFINITIONS (Full definition template)

   ☐ B. DEFINITIONS (Definitions Quick Fix)

3. ☒ REVISION CONCORDANCE LIST (RCL)

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

5. ☐ CROSS-REFERENCE LIST (CRL)

1.   CLASSIFICATION SCHEME CHANGES

   A.   New, Modified or Deleted Group(s)

SUBCLASS H04J - MULTIPLEX COMMUNICATION

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
M	H04J14/0227	2	{Operation, administration, maintenance or provisioning [OAMP] of WDM networks, e.g. media access, routing or wavelength allocation}	
M	H04J14/0228	3	{Wavelength allocation for communications one-to-all, e.g. broadcasting wavelengths}	
E	H04J14/023	4	{in WDM passive optical networks [WDM-PON]}	
D	H04J14/0231	5		<administrative transfer to H04J14/023>
M	H04J14/0232	5	{for downstream transmission}	
M	H04J14/0234	6	{using multiple wavelengths}	
M	H04J14/0235	5	{for upstream transmission}	
M	H04J14/0236	6	{using multiple wavelengths}	
M	H04J14/0238	3	{Wavelength allocation for communications one-to-many, e.g. multicasting wavelengths}	
U	H04J14/0239	4	{in WDM-PON sharing multiple downstream wavelengths for groups of optical network units [ONU], e.g. multicasting wavelengths}	
M	H04J14/0241	3	{Wavelength allocation for communications one-to-one, e.g. unicasting wavelengths}	
E	H04J14/0242	4	{in WDM-PON}	
D	H04J14/0243	5		<administrative transfer to H04J14/0242>
M	H04J14/0245	5	{for downstream transmission, e.g. optical line terminal [OLT] to ONU}	
M	H04J14/0246	6	{using one wavelength per ONU}	
M	H04J14/0247	6	{Sharing one wavelength for at least a group of ONUs}	
M	H04J14/0249	5	{for upstream transmission, e.g. ONU-to-OLT or ONU-to-ONU}	
M	H04J14/025	6	{using one wavelength per ONU, e.g. for transmissions from-ONU-to-OLT or from-ONU-to-ONU}	

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
M	H04J14/0252	6	{Sharing one wavelength for at least a group of ONUs, e.g. for transmissions from-ONU-to-OLT or from-ONU-to-ONU}	
M	H04J2014/0253	5	{Allocation of downstream wavelengths for upstream transmission (optical transmission using a single light source for multiple stations H04B10/2587)}	
U	H04J14/0254	3	{Optical medium access}	
U	H04J14/0256	4	{at the optical channel layer}	
U	H04J14/0257	5	{Wavelength assignment algorithms}	
M	H04J14/0258	5	{Wavelength identification or labelling}	
U	H04J14/026	5	{using WDM channels of different transmission rates}	
U	H04J14/0261	4	{at the optical multiplex section layer}	
U	H04J14/0263	5	{Multiplex section layer wavelength assignment algorithms}	
U	H04J14/0264	5	{Multiplex identification or labelling}	
U	H04J14/0265	5	{Multiplex arrangements in bidirectional systems, e.g. interleaved allocation of wavelengths or allocation of wavelength groups}	
M	H04J14/0267	4	{Optical signaling or routing (routing or path finding of packets in data switching networks H04L45/00)}	
M	H04J14/0268	5	{Restoration of optical paths, e.g. p-cycles (route fault recovery of packets in data switching networks H04L45/28)}	
M	H04J14/0269	5	{using tables for routing (organization of routing tables of packets in data switching networks H04L45/54)}	

*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).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. 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 except "D" which requires only a symbol.
- #"Transferred to" column <u>must</u> 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>" or "<administrative transfer to XX and YY simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be "invention information", unless otherwise indicated, and to 2000 series groups is assumed to be "additional information".

2. A. DEFINITIONS (i.e. new or modified)

H04J14/0227

Insert the following new Informative references section:

Informative references

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

Monitoring of optical transmission parameters in general	H04B10/07

3.   REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	H04J14/0231	<administrative transfer to H04J14/023>
D	H04J14/0243	<administrative transfer to H04J14/0242>

* 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.

NOTES:
- Only C, D, and Q type entries are included in the table above.
- When multiple symbols are included in the "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>" or "<administrative transfer to XX and YY simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be "invention information", unless otherwise indicated, and to 2000 series groups is assumed to be "additional information".

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

CPC	**IPC**	**Action***
H04J14/0231		DELETE
H04J14/0243		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.
- E and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.