EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1421

DATE: MAY 1, 2023

PROJECT MP11667

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

Action	Subclass	Group(s)
SCHEME:		
Titles Changed:	H04L	63/08, 63/10, 63/18
DEFINITIONS:		
Definitions Modified:	H04L	63/0457, 63/08, 63/10, 63/18

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)

DATE: MAY 1, 2023

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1. CLASSIFICATION SCHEME CHANGES

    A. New, Modified or Deleted Group(s)

H04L - TRANSMISSION OF DIGITAL INFORMATION, e.g. TELEGRAPHIC COMMUNICATION

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#
M	H04L 63/08	1	{for authentication of entities (cryptographic mechanisms or cryptographic arrangements for entity authentication H04L 9/32)}	
M	H04L 63/10	1	{for controlling access to devices or network resources}	
M	H04L 63/18	1	{using different networks or channels, e.g. using out of band channels (cryptographic mechanisms or cryptographic arrangements for key distribution involving distinctive intermediate devices or communication paths H04L 9/0827; cryptographic mechanisms or cryptographic arrangements for authentication using a plurality of channels H04L 9/3215)}	

*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.

2. A. DEFINITIONS (modified)

H04L 63/0457

Definition statement

Replace: The existing Definition statement text with the following revised text:

The use of stream encryption, i.e. serially and continuously modifying data streams.

References

Limiting references

Replace: The existing symbol so that the Limiting references table row appears as follows:

Cryptographic mechanisms for stream encryption	H04L 9/065

H04L 63/08

Definition statement

Replace: The existing Definition statement text with the following revised text:

Performing authentication of users, devices or applications trying to gain access to resources of a network.

References

Informative references

Replace: The text in the first Informative references table row so that the row reads as follows:

Authentication in the context of security arrangements for protecting computers	G06F 21/30

H04L 63/10

Definition statement

Replace: The existing Definition statement text with the following revised text:

Mechanisms to allow or restrict the access to devices or resources, for example by restricting access to a particular group of computers or contents based on their addresses or based on user requests (e.g. list of forbidden websites, parental control) or smart locks.

References

Delete: The entire Limiting references section.

Informative references

Insert: The following new row into the Informative references table:

Restricting access to network management systems or functions	H04L 41/28

H04L 63/18

Definition statement

Replace: The first paragraph of the Definition statement text and add a period to the last paragraph so that the entire text appears as follows:

Network traffic is secured by transmitting information through different channels of networks.

Two examples are:

- placing an order over the internet and using a telephone to communicate credit card information,
- or using a password received via SMS to obtain access to a remote computer.

References

Limiting references

<u>Insert</u>:   The following <u>new row</u> into the Limiting references table:

Cryptographic mechanisms or cryptographic arrangements for key distribution involving distinctive intermediate devices or communication paths	H04L 9/0827