

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1613

DATE: JANUARY 1, 2024

PROJECT DP12033

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
DEFINITIONS:		
Definitions Modified:	H04L	51/00, 51/02, 51/06, 51/066, 51/224, 51/234, 51/42, 51/58

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)

2. A. DEFINITIONS (modified)

H04L 51/00

Replace: The existing Definition statement text with the following updated text.

Definition statement

This place covers:

User-to-user messaging in packet-switching networks, transmitted according to store-and-forward or real-time protocols, e.g. e-mail, or real-time protocols, e.g. instant messaging. A message switching system is a system that switches messages on the application layer. The messages have one or more individually identified recipients.

The message can be audio or video.

Replace: The existing Glossary of terms table text with the following updated text.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

social network	websites and applications for the informal communication and sharing of information with other users
store and forward	a telecommunications technique in which information is sent to an intermediate station where it is kept and sent at a later time to the final destination or to another intermediate station
instant messaging [IM]	real-time transmission and exchange of short messages between two parties
users	chatbots, user readable or user-oriented messaging

H04L 51/02

Replace: The existing Definition statement text with the following updated text.

Definition statement

This place covers:

Any system or technique for creating and sending automatic replies to messages, e.g. smart speaker interaction, Alexa or Hey Google.

H04L 51/06

References

Insert: The following new reference in the Informative references table.

Informative references

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

Protocols specially adapted for terminals or networks with limited capabilities	H04L 67/04
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H04L 51/066

Insert: The following new Informative references section.

References

Informative references

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

Speech synthesis; Text to speech systems	G10L 13/00
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H04L 51/224

References

Insert: The following new reference in the Informative references table.

Informative references

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

Push-based network devices, pushed-based messaging	H04L 67/55
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H04L 51/234

Replace: The existing Definition statement text with the following updated text.

Definition statement

This place covers:

Detecting and reporting the progress of messages along the network, i.e. on the nodes located between the sender and the recipient excluding those two ends.

H04L 51/42

Replace: The existing Definition statement text with the following updated text.

Definition statement

This place covers:

Message storage, synchronisation, categorisation and retrieval, e.g. mailboxes.

DATE: JANUARY 1, 2024

PROJECT DP12033

H04L 51/58

Replace: The existing Definition statement text with the following updated text.

Definition statement

This place covers:

Transmission of messages using wireless communication services, e.g. SMS or MMS.

The messages are not modified. The group concerns solving problems typical for wireless networks, e.g. transmission slot allocation, issues with base station or new 5G challenges.