EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1436

DATE: MAY 1, 2023

PROJECT DP11674

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

| Action | Subclass | Group(s) |
|---|---|---|
| **DEFINITIONS:** | | |
| Definitions Modified: | H04N | 21/00 |

**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)

## H04N21/00

## Special rules of classification

<u>Replace</u>: The existing text of the Special rules of classification section with the updated text and table below.

The classification scheme has a matrix structure and symbols taken from its different cells allow classification of the relevant aspects of a document as seen below.

In cases where a document is not teaching clearly whether operations are performed on the server-side or client-side, it should be placed by default in the server part of the scheme (H04N21/20).  Further, if both embodiments (server-side, client-side) are present, symbols from H04N 21/20 and H04N 21/40 should be allocated.

H04N 21/20 Server

Architectures

| H04N 21/214 | Specialised |
| H04N 21/218 | Source |
| H04N 21/222 | Secondary |
| H04N 21/226 | Hardware |

Elementary / Bitstream Operation

| H04N 21/231 | Storage |
| H04N 21/232 | Retrieval |
| H04N 21/233 | Audio |
| H04N 21/234 | Video |
| H04N 21/235 | Add Data |
| H04N 21/236 | Multiplex |
| H04N 21/237 | Add Server |
| H04N 21/238 | Downstream |
| H04N 21/239 | Upstream |
| H04N 21/24 | Monitoring |
| H04N 21/241 | OS |
| H04N 21/242 | SYNC |

Management  operations

| H04N 21/251 | Learn |
| H04N 21/254 | Shop |
| H04N 21/258 | Client Data |
| H04N 21/262 | Scheduling |

| H04N 21/266 | Content Management |
|---|---|

## End-User App

| H04N 21/274 | Storing Data |
|---|---|
| H04N 21/278 | Directory Services |

## H04N 21/40 Client

### Architectures

| H04N 21/4104 | Peripherals |
|---|---|
| H04N 21/414 | Specialised |
| H04N 21/418 | External |
| H04N 21/422 | Input |
| H04N 21/426 | Internal |

### Elementary / Bitstream Operation

| H04N 21/4305 | SYNC |
|---|---|
| H04N 21/431 | Visual Interface |
| H04N 21/432 | Retrieval |
| H04N 21/433 | Storage |
| H04N 21/434 | DeMultiplex |
| H04N 21/435 | Add Data |
| H04N 21/436 | Local Net |
| H04N 21/437 | Upstream |
| H04N 21/438 | Downstream |
| H04N 21/44 | Video |
| H04N 21/441 | User ID |
| H04N 21/442 | Monitoring |
| H04N 21/443 | OS |

### Management operations

| H04N 21/4508 | User Data |
|---|---|
| H04N 21/454 | Filtering |
| H04N 21/458 | Scheduling |
| H04N 21/462 | Data Management |
| H04N 21/466 | Learn |

### End-user App

| H04N 21/472 | Request |
|---|---|
| H04N 21/475 | Inputting |
| H04N 21/478 | Add Services |
| H04N 21/482 | Selection |
| H04N 21/485 | Configuration |
| H04N 21/488 | Data Services |

H04N 21/20:

for details of servers or processes related to the reception of the content from the content provider or related to the distribution of content to clients. Network interfaces are included but not the communication aspects with clients

H04N 21/40:

for structural details of client devices or processes related among others to the processing, storing or displaying of the received content as well as user interfaces for accessing video services

H04N 21/60:

for the nature of the downlink / uplink or the exchange of control signals or data between clients, servers, network

H04N 21/80:

for specific multimedia content or processes taking place before distribution (usually by the content provider) and independently according to their appropriate layer:

H04N 21/21, H04N 21/41, H04N 21/61, H04N 21/81:

System architecture and topology

H04N 21/23, H04N 21/43, H04N 21/63, H04N 21/83:

Functional and application aspects related to bit-stream processing or elementary operations

H04N 21/25, H04N 21/45, H04N 21/65, H04N 21/85:

Functional and application aspects related to system management

H04N 21/27, H04N 21/47:

Services and functionalities offered to the end-user

## Glossary of terms

Delete: The period at the end of the following two definitions:

| Additional data | designates still pictures, textual, graphical or executable data such as software. It is used to convey supplemental information and can be generated prior to or during the distribution process itself, e.g. metadata, keys. |
|---|---|
| Client | designates an apparatus such as a TV receiver, a set-top-box, a PC-TV, a mobile appliance (e.g. mobile phone or receiver in a vehicle), for receiving video, audio and possibly additional data from one or several servers or intermediate components via a network for further processing, storing or displaying. It can also transmit this data on a home-based local network to further devices, e.g. a home server transmitting video to PCs and set-top-boxes within a home. |