

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1664

DATE: JANUARY 1, 2025

PROJECT MP12109

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>SCHEME:</b>		
Titles Changed:	H04W	52/00, 52/02, 52/0206, 52/0209, 52/0235, 52/04, 52/225, 52/241, 52/262, 52/28, 52/288, 52/46
Indents Changed:	H04W	52/0235
<b>DEFINITIONS:</b>		
Definitions New:	H04W	52/02, 52/0206, 52/0209, 52/262
Definitions Modified:	H04W	52/00

**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)

CPC NOTICE OF CHANGES 1664

DATE: JANUARY 1, 2025

PROJECT MP12109

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

**SUBCLASS H04W - WIRELESS COMMUNICATION NETWORKS**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	H04W 52/00	0	Power management {, e.g. Transmission Power Control [TPC] or power classes}	
M	H04W 52/02	1	Power saving arrangements	
M	H04W 52/0206	3	{in access points, e.g. base stations}	
M	H04W 52/0209	2	{in terminal devices}	
U	H04W 52/0229	4	{where the received signal is a wanted signal}	
U	H04W 52/0232	5	{according to a average transmission signal activity}	
M	H04W 52/0235	5	{where the received signal is a power saving command}	
M	H04W 52/04	1	Transmission power control [TPC]	
M	H04W 52/225	4	{Calculation of statistics, e.g. average or variance}	
M	H04W 52/241	4	{taking into account channel quality metrics, e.g. SIR, SNR, CIR or Eb/lo}	
M	H04W 52/262	4	{taking into account adaptive modulation and coding [AMC] scheme}	
M	H04W 52/28	3	using user profile, e.g. mobile speed, priority or network state, e.g. standby, idle or non-transmission	
M	H04W 52/288	4	{taking into account the usage mode, e.g. hands-free, data transmission or telephone}	
M	H04W 52/46	3	in multi-hop networks, e.g. wireless relay networks	

\*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:

## CPC NOTICE OF CHANGES 1664

DATE: JANUARY 1, 2025

### PROJECT MP12109

- \*\*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 (new)

### H04W 52/02

#### References

#### Informative references

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

Arrangements for remote connection or disconnection of substations or equipment thereof	<a href="#">H04L 12/12</a>
Services signalling; Auxiliary data signalling, i.e. transmitting data via a non-traffic channel	<a href="#">H04W 4/20</a>

### H04W 52/0206

#### References

#### Informative references

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

Access point devices specially adapted for wireless communication networks	<a href="#">H04W 88/08</a>
----------------------------------------------------------------------------	----------------------------

### H04W 52/0209

#### References

#### Informative references

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

Terminal devices specially adapted for wireless communication networks	<a href="#">H04W 88/02</a>
------------------------------------------------------------------------	----------------------------

CPC NOTICE OF CHANGES 1664

DATE: JANUARY 1, 2025

PROJECT MP12109

**H04W 52/262**

**References**

**Informative references**

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

Systems modifying transmission characteristics according to link quality, e.g. power backoff	<a href="#">H04L 1/0001</a>
----------------------------------------------------------------------------------------------	-----------------------------

## 2. A. DEFINITIONS (modified)

### H04W 52/00

Insert: The following new Informative references section.

#### References

#### Informative references

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

Gain control in transmitters or power amplifiers	<a href="#">H03G 3/3042</a>
--------------------------------------------------	-----------------------------