

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1529

DATE: JANUARY 1, 2024

PROJECT DP11831

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>DEFINITIONS:</b>		
Definitions New:	H04W	84/042, 84/12, 92/18
Definitions Modified:	H04W	84/00, 84/005, 88/00, 88/02, 88/14, 92/00

**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 (new)

Insert: The following new definitions.

### H04W 84/042

#### Definition statement

*This place covers:*

A PLMN typically consists of several cellular technologies like GSM/2G, UMTS/3G, LTE/4G, 5G offered by a single operator within a given country, often referred to as a cellular network. A PLMN comprises a Radio Access Network, RAN, a Core Network, CN, as well as an Operation and Management Subsystem, OMS.

### H04W 84/12

#### Definition statement

*This place covers:*

Local area networks providing wireless access to stations connecting to one or more access points within a limited area. May operate as an isolated network or may connect to an external (public) network. WLANs operating according to IEEE 802.11 specifications are called Wi-Fi networks.

### H04W 92/18

#### Definition statement

*This place covers:*

Interface between terminals/UEs of the network e.g. Device to Device (D2D), sidelink, PC5.

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***Informative references***

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

Direct-mode setup	<a href="#">H04W 76/14</a>
Manipulation of direct-mode connections	<a href="#">H04W 76/23</a>

## 2. A. DEFINITIONS (Modified)

### H04W 84/00

#### References

Delete: The entire Limiting References section.

Insert: The following new Informative Reference section:

#### *Informative references*

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

Active relay systems	H04B 7/15
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#### Special rules of classification

Replace: The existing text of the Special rules of classification section with the following revised text:

Classification symbols of this group should preferably only be allocated as "additional information" in combination with at least one symbol of the functional groups H04W 4/00 - H04W 76/00.

### H04W 84/005

#### Definition statement

Insert: A period at the end of the Definition statement, so that it reads as "network(s)."

Insert: The following new References section:

#### References

#### *Informative references*

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

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Services for mass transport vehicles, e.g. buses, trains, or aircraft	H04W 4/42
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**H04W 88/00****References*****Informative references***

Replace: The existing Informative references table with the following revised table:

Transceivers	H04B 1/38
Data switching networks	H04L 12/00
Substation equipment for telephonic communication	H04M 1/00
Selecting	H04Q
Casings, cabinets or drawers for electric apparatus	H05K 5/00

**Special rules of classification**

Replace: The existing text of the Special rules of classification section with the following revised text:

Classification symbols of this group should preferably only be allocated as "additional information" in combination with at least one symbol of the functional groups [H04W 4/00](#) - [H04W 76/00](#).

**H04W 88/02****Definition statement**

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

Physical equipment acting with network as/on behalf of a user, thereby behaving as an endpoint of a network functionality. This group contains more than just details of terminal construction. Instead, the emphasis is on "acting with network", i.e. a terminal having network functionality.

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## References

Delete: The entire Limiting references section.

Insert: The following new Informative references section:

### ***Informative references***

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

Portable computers with a single-body enclosure integrating a flat display, e.g. personal digital assistants	<a href="#">G06F 1/1626</a>
Transceivers, i.e. devices in which transmitter and receiver form a structural unit and in which at least one part is used for functions of transmitting and receiving	<a href="#">H04B 1/38</a>
Substation equipment for telephonic communication	<a href="#">H04M 1/00</a>

## H04W88/14

### **Definition statement**

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

Backbone or core network devices. Switching or routing equipment for establishing a connection between a wireless user and a communication network, e.g. MSC/SGSN.

Insert: The following new Glossary of terms section:

### **Glossary of terms**

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

MSC	Mobile Switching Centre
SGSN	Serving General Packet Radio Service Support Node

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**H04W 92/00****Definition statement**

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

*This place covers:*

- Arrangements for interconnecting network components or networks.
- Special equipment or adaptations therefor.
- Control and signalling arrangements at an interface.

The following is a list of specific interfaces between entities defined by specific standards.

<b>System/standard: entities/ Interface</b>	<b>Subgroups</b>
GSM: BS-BSC/A-bis	H04W 92/04, H04W 92/12
GSM: BSC-MSC/A	H04W 92/04, H04W 92/14
UMTS: Node B- RNC/IuB	H04W 92/04, H04W 92/12
UMTS: RNC-MGW/IuCS	H04W 92/04, H04W 92/14
UMTS: RNC-SGSN/IuPS	H04W 92/04, H04W 92/14
UMTS: USIM-ME/ Cu	H04W 92/08
UMTS: RNC-RNC/ IuR	H04W 92/22
GSM: HLR-MSC/ B	H04W 92/24
GSM: MSC/MLR-HLR/ D	H04W 92/24
GSM: MSC-EIR/ F	H04W 92/24
GPRS: EIR-SGSN/ Gf	H04W 92/24
GPRS: EIR-SGSN/ Gr	H04W 92/24
GPRS: EIR-SGSN/ Gc	H04W 92/24

**Special rules of classification**

Replace: The existing text of the Special rules of classification section with the following revised text:

Classification symbols of this group should preferably only be allocated as "additional information" in combination with at least one symbol of the functional groups [H04W 4/00](#) - [H04W 76/00](#).

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Insert: The following new Glossary of terms section:

**Glossary of terms**

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

GSM	Global System for Mobile communications
UMTS	Universal Mobile Telecommunications Systems
MSC	Mobile Switching Center
MGW	Media Gateway
SGSN	Serving GPRS Support Node
GPRS	General Packet Radio Service
ME	Mobile Equipment
EIR	Equipment Identity Register
USIM	Universal Subscriber Identity Module