

# CPC COOPERATIVE PATENT CLASSIFICATION

## H ELECTRICITY

(NOTE omitted)

## H04 ELECTRIC COMMUNICATION TECHNIQUE

(NOTE omitted)

## H04H BROADCAST COMMUNICATION ([multiplex communication H04J](#); [pictorial communication aspects of broadcast systems H04N](#))

### NOTE

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

- "broadcast" is simultaneous distribution of identical signals to plural receiving stations. The term "broadcast" does not include distribution to receiving stations which is controlled by requests or responses from the receiving stations;
- "broadcast information" covers all kinds of information distributed by broadcast systems;
- "broadcast-related information" is information required by services provided via broadcast systems, other than broadcast information;
- "broadcast time" is a time when particular broadcast information exists and is available;
- "broadcast channel" is a channel via which broadcast information is distributed, e.g. carrier waves, time slots, cables or wireless broadcast service areas;
- "broadcast space" is either a set of broadcast channels in which particular broadcast information exists and is available or a geographical area determined by the set of broadcast channels;
- "broadcast space-time" is space-time determined by broadcast space and broadcast time in which particular broadcast information exists and is available;
- "broadcast system" is a system which consists of transmitter, transponder and receiver for broadcast;
- "broadcast-related system" is a system which is directly affected by generation, broadcast, reception or use of broadcast information;
- "broadcast service" is a service directly provided by a broadcast system, i.e. distribution service of broadcast information;
- "broadcast-related service" is a service provided by broadcast-related systems;
- "A with a direct linkage to B" means that A directly affects B or that A is directly affected by B.

### WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

<b>20/00</b>	<b>Arrangements for broadcast or for distribution combined with broadcast</b>	20/28	• Arrangements for simultaneous broadcast of plural pieces of information
20/02	• Arrangements for relaying broadcast information	20/30	• . . by a single channel
20/04	• . . from field pickup units [FPU]	20/31	• . . . using in-band signals, e.g. subsonic or cue signal
20/06	• . . among broadcast stations		
20/08	• . . among terminal devices	20/33	• . . by plural channels
20/10	• Arrangements for replacing or switching information during the broadcast or the distribution	20/34	• . . . using an out-of-band subcarrier signal
20/103	• . . {Transmitter-side switching}	20/36	• . . for AM broadcasts
20/106	• . . {Receiver-side switching}	20/38	• Arrangements for distribution where lower stations, e.g. receivers, interact with the broadcast
20/12	• Arrangements for observation, testing or troubleshooting	20/40	• Arrangements for broadcast specially adapted for accumulation-type receivers
20/14	• . . for monitoring programmes	20/42	• Arrangements for resource management
20/16	• Arrangements for broadcast or for distribution of identical information repeatedly	20/423	• . . {Transmitter side}
20/18	• Arrangements for synchronising broadcast or distribution via plural systems	20/426	• . . {Receiver side}
20/20	• Arrangements for broadcast or distribution of identical information via plural systems	20/44	• Arrangements characterised by circuits or components specially adapted for broadcast
20/22	• . . Arrangements for broadcast of identical information via plural broadcast systems	20/46	• . . specially adapted for broadcast systems covered by groups <a href="#">H04H 20/53-H04H 20/95</a>
20/24	• . . Arrangements for distribution of identical information via broadcast system and non-broadcast system	20/47	• . . . specially adapted for stereophonic broadcast systems
20/26	• Arrangements for switching distribution systems	20/48	• . . . . for FM stereophonic broadcast systems
		20/49	• . . . . for AM stereophonic broadcast systems
		20/51	• . . . specially adapted for satellite broadcast systems

20/53	• Arrangements specially adapted for specific applications, e.g. for traffic information or for mobile receivers	40/90	• . . . specially adapted for satellite broadcast receiving
20/55	• . for traffic information	<b>60/00</b>	<b>Arrangements for broadcast applications with a direct linking to broadcast information or broadcast space-time; Broadcast-related systems</b>
20/57	• . for mobile receivers		
20/59	• . for emergency or urgency	60/02	• Arrangements for generating broadcast information; Arrangements for generating broadcast-related information with a direct linking to broadcast information or to broadcast space-time; Arrangements for simultaneous generation of broadcast information and broadcast-related information
20/61	• . for local area broadcast, e.g. instore broadcast		
20/62	• . . for transportation systems, e.g. in vehicles	60/04	• . Studio equipment; Interconnection of studios
20/63	• . . . to plural spots in a confined site, e.g. MATV [Master Antenna Television]	60/05	• . . . Mobile studios
20/65	• Arrangements characterised by transmission systems for broadcast	60/06	• . Arrangements for scheduling broadcast services or broadcast-related services
20/67	• . Common-wave systems, i.e. using separate transmitters operating on substantially the same frequency	60/07	• . characterised by processes or methods for the generation
20/69	• . Optical systems	60/09	• Arrangements for device control with a direct linkage to broadcast information or to broadcast space-time; Arrangements for control of broadcast-related services
20/71	• . Wireless systems		
20/72	• . . of terrestrial networks	60/11	• . Arrangements for counter-measures when a portion of broadcast information is unavailable
20/74	• . . of satellite networks	60/12	• . . wherein another information is substituted for the portion of broadcast information
20/76	• . Wired systems	60/13	• . Arrangements for device control affected by the broadcast information
20/77	• . . using carrier waves	60/14	• . Arrangements for conditional access to broadcast information or to broadcast-related services
20/78	• . . . CATV [Community Antenna Television] systems	60/15	• . . on receiving information
20/79	• . . . . using downlink of the CATV systems, e.g. audio broadcast via CATV network	60/16	• . . on playing information
20/80	• . . . having frequencies in two or more frequency bands, e.g. medium wave and VHF	60/17	• . . on recording information
20/81	• . . . combined with telephone network over which the broadcast is continuously available	60/18	• . . on copying information
20/82	• . . using signals not modulated onto a carrier	60/19	• . . on transmission of information
20/83	• . . . not sharing the network with any other service	60/20	• . . on secondary editing information
20/84	• . . combined with power distribution network	60/21	• . . Billing for the use of broadcast information or broadcast-related information
20/86	• Arrangements characterised by the broadcast information itself	60/22	• . . . per use
20/88	• . Stereophonic broadcast systems {(multiplex system in general H04J)}	60/23	• . . using cryptography, e.g. encryption, authentication, key distribution
20/89	• . . using three or more audio channels, e.g. triphonic or quadraphonic	60/25	• Arrangements for updating broadcast information or broadcast-related information
20/91	• . broadcasting computer programmes	60/27	• Arrangements for recording or accumulating broadcast information or broadcast-related information
20/93	• . which locates resources of other pieces of information, e.g. URL [Uniform Resource Locator]		
20/95	• . characterised by a specific format, e.g. an encoded audio stream	60/29	• Arrangements for monitoring broadcast services or broadcast-related services
<b>40/00</b>	<b>Arrangements specially adapted for receiving broadcast information</b>	60/31	• . Arrangements for monitoring the use made of the broadcast services
40/09	• Arrangements for receiving desired information automatically according to timetables	60/32	• . Arrangements for monitoring conditions of receiving stations, e.g. malfunction or breakdown of receiving stations
40/18	• Arrangements characterised by circuits or components specially adapted for receiving	60/33	• . Arrangements for monitoring the users' behaviour or opinions
40/27	• . specially adapted for broadcast systems covered by groups <a href="#">H04H 20/53</a> - <a href="#">H04H 20/95</a>	60/35	• Arrangements for identifying or recognising characteristics with a direct linkage to broadcast information or to broadcast space-time, e.g. for identifying broadcast stations or for identifying users
40/36	• . . specially adapted for stereophonic broadcast receiving		
40/45	• . . . for FM stereophonic broadcast systems receiving	60/37	• . for identifying segments of broadcast information, e.g. scenes or extracting programme ID
40/54	• . . . . generating subcarriers	60/372	• . . {Programme}
40/63	• . . . . for separation improvements or adjustments		
40/72	• . . . . for noise suppression		
40/81	• . . . . for stereo-monaural switching		

- 60/375 . . . {Commercial}
- 60/377 . . . {Scene}
- 60/38 . . for identifying broadcast time or space
- 60/39 . . . for identifying broadcast space-time (use of [Electronic Programme Guides H04H 60/72](#))
- 60/40 . . . for identifying broadcast time
- 60/41 . . . for identifying broadcast space, i.e. broadcast channels, broadcast stations or broadcast areas
- 60/42 . . . . for identifying broadcast areas
- 60/43 . . . . for identifying broadcast channels
- 60/44 . . . . for identifying broadcast stations
- 60/45 . . for identifying users
- 60/46 . . for recognising users' preferences
- 60/47 . . for recognising genres
- 60/48 . . for recognising items expressed in broadcast information
- 60/49 . . for identifying locations
- 60/50 . . . of broadcast or relay stations
- 60/51 . . . of receiving stations
- 60/52 . . . of users
- 60/53 . . . of destinations
- 60/54 . . . where broadcast information is generated
- 60/56 . Arrangements characterised by components specially adapted for monitoring, identification or recognition covered by groups [H04H 60/29-H04H 60/54](#)
- 60/58 . . of audio {(determination or detection of speech characteristics in general [G10L 25/00](#); speech recognition in general [G10L 15/00](#))}
- 60/59 . . of video {(recognising characters or patterns in general [G06F 18/00](#), [G06V 20/00](#))}
- 60/61 . Arrangements for services using the result of monitoring, identification or recognition covered by groups [H04H 60/29-H04H 60/54](#)
- 60/63 . . for services of sales {(data processing systems or methods specially adapted for electronic commerce [G06Q 30/00](#))}
- 60/64 . . for providing detail information
- 60/65 . . for using the result on users' side
- 60/66 . . for using the result on distributors' side
- 60/68 . Systems specially adapted for using specific information, e.g. geographical or meteorological information
- 60/70 . . using geographical information, e.g. maps, charts or atlases
- 60/71 . . using meteorological information
- 60/72 . . using electronic programme guides [EPG] (focusing on identifying broadcast space time [H04H 60/39](#) ; menu type display of EPG in television receivers [H04N 21/47](#))
- 60/73 . . using meta-information
- 60/74 . . . using programme related information, e.g. title, composer or interpreter
- 60/76 . Arrangements characterised by transmission systems other than for broadcast, e.g. the Internet {(for broadcast [H04H 20/65](#))}
- 60/78 . . characterised by source locations or destination locations
- 60/79 . . . characterised by transmission among broadcast stations
- 60/80 . . . characterised by transmission among terminal devices
- 60/81 . . characterised by the transmission system itself
- 60/82 . . . the transmission system being the Internet
- 60/83 . . . . accessed over telephonic networks
- 60/84 . . . . . which are fixed telephone networks
- 60/85 . . . . . which are mobile communication networks
- 60/86 . . . . accessed over CATV networks
- 60/87 . . . . accessed over computer networks
- 60/88 . . . . . which are wireless networks
- 60/89 . . . . . which are wired networks
- 60/90 . . . Wireless transmission systems
- 60/91 . . . . Mobile communication networks (for accessing the Internet [H04H 60/85](#))
- 60/92 . . . . for local area
- 60/93 . . . Wired transmission systems
- 60/94 . . . . Telephonic networks (for accessing the Internet [H04H 60/84](#))
- 60/95 . . . . for local area
- 60/96 . . . . CATV systems (for accessing the Internet [H04H 60/86](#))
- 60/97 . . . . . using uplink of the CATV systems
- 60/98 . . . Physical distribution of media, e.g. postcards, CDs or DVDs
- 2201/00 Aspects of broadcast communication**
- 2201/10 . characterised by the type of broadcast system
- 2201/11 . . digital multimedia broadcasting [DMB]
- 2201/12 . . digital radio mondiale [DRM]
- 2201/13 . . radio data system/radio broadcast data system [RDS/RBDS]
- 2201/14 . . direct broadcast satellite [DBS]
- 2201/15 . . system for wireless information forwarding and teledistribution [SWIFT]
- 2201/16 . . digital video broadcasting - handhelds [DVB-H]
- 2201/17 . . in band adjacent channel [IBAC]
- 2201/18 . . in band on channel [IBOC]
- 2201/183 . . . FM digital or hybrid
- 2201/186 . . . AM digital or hybrid
- 2201/19 . . digital satellite radio [DSR]
- 2201/20 . . digital audio broadcasting [DAB]
- 2201/30 . characterised by the use of a return channel, e.g. for collecting users' opinions, for returning broadcast space/time information or for requesting data
- 2201/33 . . via the broadcast channel
- 2201/37 . . via a different channel
- 2201/40 . characterised in that additional data relating to the broadcast data are available via a different channel than the broadcast channel
- 2201/50 . characterised by the use of watermarks
- 2201/60 . characterised in that the receiver comprises more than one tuner
- 2201/70 . characterised in that receivers can be addressed
- 2201/80 . characterised in that motion picture association of America [MPAA] ratings are used
- 2201/90 . characterised by the use of signatures