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(54) **Audio system for audio streaming and associated method**

(57) Audio system and method for operating an audio system for transmitting wireless audio streams to a hearing system. The audio system comprises a communication unit and a radio system comprising a plurality of stationary transmitter units for transmitting at least a first audio stream with first audio identification data indicative of the first audio stream and a second audio stream with second audio identification data indicative of the second audio stream, the plurality of stationary transmitter units including a first transmitter unit and a second transmitter unit. The method comprises receiving a request indicative of at least one audio track; determining configuration data for the hearing system based on the request indicative of at least one audio track; and transmitting the configuration data to the hearing system for allowing the hearing system to receive at least one audio stream representative of the audio track indicated in the request.

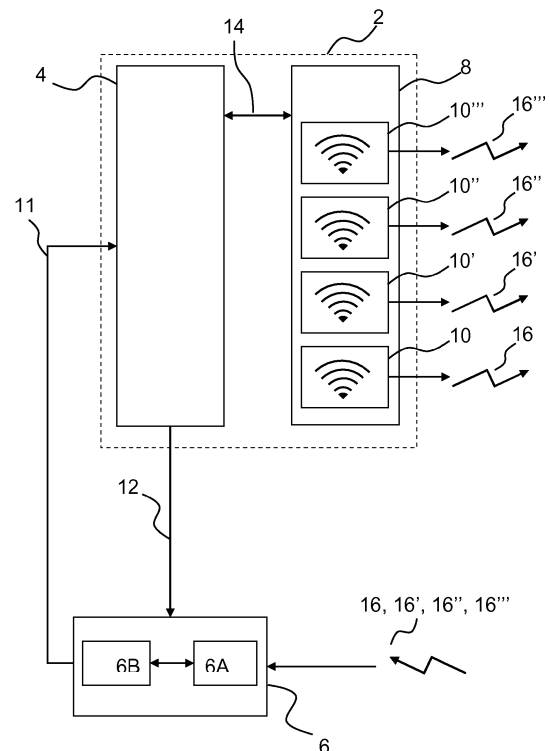


Fig. 1

Description

[0001] The present invention relates to a method for operating an audio system for transmitting wireless audio streams. Further, an audio system for transmitting wireless audio streams is provided. In particular, a method and audio system for transmitting wireless audio streams to hearing system(s) are provided.

BACKGROUND

[0002] Wireless communication to and from hearing devices has been increasing in continuation of the developments within wireless communication technology. In a crowded environment where audio is distributed to the crowd, for example in an airport or in a movie theatre, it is known to stream audio via a telecoil solution having a limited bandwidth with limited possibilities of separating different audio streams.

[0003] Further, audio streams from neighboring broadcasting areas, such as cinema auditoriums of a cinema complex, may overlap requiring a receiver device to be able to separate and distinguish between audio streams.

SUMMARY

[0004] Despite the known solutions there is still a need to personalize and listen to different audio streams that are transmitted wirelessly in a crowded environment.

[0005] There is also a need for a user of a hearing system to be able to in a simple and effective manner personalize and select desired audio streams.

[0006] Accordingly, an audio system for audio streaming is provided, the audio system comprising a radio system comprising one or a plurality of stationary transmitter units configured to transmit at least a first audio stream with first audio identification data indicative of the first audio stream and configured to transmit at least a second audio stream with second audio identification data indicative of the second audio stream. The plurality of transmitter units includes a first transmitter unit and a second transmitter unit and the audio system comprises a communication unit for transmitting configuration data for the hearing system. The communication unit is configured to receive a request indicative of at least one audio track; determine configuration data for the hearing system, e.g. based on the request indicative of at least one audio track; and transmit the configuration data to the hearing system for allowing or enabling the hearing system to receive at least one audio stream representative of the audio track indicated in the request.

[0007] Also disclosed is a method for operating an audio system for transmitting wireless audio streams to a hearing system, wherein an audio stream is an electromagnetic signal representative of an audio track. The audio system comprises a communication unit and a radio system comprising one or a plurality of stationary transmitter units for transmitting at least a first audio

stream with first audio identification data indicative of the first audio stream and optionally a second audio stream with second audio identification data indicative of the second audio stream. The plurality of stationary transmitter units includes a first transmitter unit and a second transmitter unit. The method comprises receiving, e.g. in the communication unit, a request indicative of at least one audio track; determining configuration data for the hearing system e.g. based on the request indicative of at least one audio track; and transmitting the configuration data to the hearing system for allowing or enabling the hearing system to receive at least one audio stream representative of the audio track indicated in the request.

[0008] The method and audio system provides simple configuration of hearing device receivers for effective audio streaming in multi-stream environments such as airports or cinema complexes. Further, the method and audio system enable power saving in hearing devices by reducing the requirements for data sent from the hearing device.

BRIEF DESCRIPTION OF THE DRAWINGS

[0009] The above and other features and advantages of the present invention will become readily apparent to those skilled in the art by the following detailed description of exemplary embodiments thereof with reference to the attached drawings, in which:

Fig. 1 schematically illustrates an exemplary audio system and a hearing system,

Fig. 2 schematically illustrates an exemplary audio system and a hearing system,

Fig. 3 schematically illustrates an exemplary audio system and a hearing system,

Fig. 4 schematically illustrates an exemplary audio system and a hearing system, and

Fig. 5 is a flow diagram of an exemplary method according to the invention.

DETAILED DESCRIPTION

[0010] The disclosed audio system and method allows the radio system to broadcast several audio streams, each audio stream having different audio identification data. By the present method a hearing system is able to search for and receive only a desired audio stream. Upon receipt of a request indicative of an audio track, the communication unit determines and transmits configuration data indicative of at least one audio stream representative of the audio track requested to the hearing system, allowing the hearing system to play the audio track requested.

[0011] The hearing system may comprise a hearing

device and optionally an accessory device. Thus, transmitting configuration data to the hearing system may comprise transmitting configuration data to a hearing device and/or an accessory device of the hearing system. Transmitting configuration data to the hearing system may comprise transmitting configuration data as an email, a text message, e.g. an SMS. The hearing device of the hearing system may comprise a processor configured to compensate for hearing loss or disability of the hearing device user.

[0012] The configuration data may allow or enable a hearing system to setup or control the wireless receiver of the hearing device in order to receive or listen for audio stream(s) representative of the requested audio track.

[0013] An audio track is an audible signal, such as an airport call, a movie sound track, speech, and/or a piece of music.

[0014] An audio stream is an electromagnetic signal representative of an audio track. A transmitter sends one or more audio streams. An audio stream comprises audio stream data and audio identification data, the audio stream data being representative of an audio track. Audio identification data (audio ID) is data enabling identification of or used for identification of a specific audio stream.

[0015] Audio identification data (audio ID) may comprise one or more of transmitter ID, transmitter group ID, audio group ID, audio type ID, and audio protocol ID.

[0016] Transmitter identification data (transmitter ID) is data enabling identification of or used for identification of a specific transmitter of the radio system.

[0017] Transmitter group identification data (transmitter group ID) is data enabling identification of or used for identification of a group of transmitters of the radio system. A group of transmitters comprises a plurality of transmitters. Transmitters may be grouped based on audio track, position within a selected area, etc. A first group of transmitters may be formed by transmitters streaming the same audio track but with different audio ID.

[0018] Audio group identification data (audio group ID) is data enabling identification of or used for identification of a group of audio streams relevant for the user of the hearing system. Audio group ID may comprise data indicative of audio track or parts of an audio track (audio track ID). Audio group ID may comprise data indicative of language. Audio type identification data (audio type ID) is data enabling identification of or used for identification of audio type. Audio type ID may be representative of hearing device models/manufacturers able to listen to the audio stream in question.

[0019] Audio protocol identification data (audio protocol ID) is data enabling identification of or used for identification of audio protocol, such as encoding format, frequencies, key for decrypting or decoding the audio streams, or other physical properties of an audio stream.

[0020] An audio track (e.g. a movie sound track) may be broadcasted using a group of a plurality of transmitter units, i.e. a plurality of transmitter units may transmit the same audio stream data with different audio ID. A plurality

of transmitter units streaming the same audio stream data increases the capacity and increase the possibility of a receiver to receive a reliable signal. Each transmitter unit of the group of transmitter units broadcasts an audio stream identifiable by audio ID. The group of transmitter units may be identified by common transmitter group ID broadcasted as part of the audio ID.

[0021] A transmitter unit may comprise one or more antennas. A transmitter unit may be configured to stream a plurality of audio streams simultaneously. This may be achieved e.g. by a transmitter unit comprising a plurality of antennas.

[0022] The configuration data may comprise audio ID or parts thereof. In particular, the configuration data may contain information identifying a transmitter unit transmitting the requested audio stream (transmitter ID). Alternatively or additionally the configuration data may contain information of a group of transmitters (transmitter group ID), e.g. to enable a hearing device to select the optimum audio stream (transmitter), such as the transmitter providing the audio stream with the best signal to noise ratio.

[0023] Hearing systems may be different, depending on e.g. model or type. Therefore the configuration data may comprise first configuration data for a first hearing system model or type and second configuration data for a second hearing system model or type. The hearing system may thus choose the configuration data suitable for the particular hearing system. The configuration data may comprise at least third and/or fourth configuration data suitable for different hearing systems/models. Transmittal by default of more than one configuration data may provide support for several types or models of hearing systems without requiring the hearing system to transmit additional information to receive a suitable configuration data. Thereby simple request data are enabled.

[0024] Transmitting configuration data from the communication unit to the hearing system may be performed in several different ways.

[0025] For example, the communication unit may comprise a wireless transmitter for transmitting the configuration data to a hearing device and/or an accessory device of the hearing system. The wireless transmitter may be configured to transmit the configuration data to a hearing device or an accessory device of the hearing system. Alternatively or additionally, the communication unit may comprise a near field communication device configured for transmitting configuration data based on the request indicative of an audio track to the hearing system. The communication unit may comprise a web server adapted to transmit the configuration data to a hearing device and/or an accessory device of the hearing system.

[0026] Several other possibilities of transmitting the configuration data are present e.g. Bluetooth transfer or by use of an accessory device such as a hearing device remote control or a smartphone.

[0027] The communication unit may comprise a near field communication device configured for transmitting

configuration data to a near field communication device of a hearing system. When the hearing system is in close proximity of the near field communication device of the communication unit, e.g. within 40 cm or within 20 cm or within 15 cm or within 5 cm, a near field communication tag of the hearing system receives the configuration data transmitted by the near field communication device of the communication unit. The hearing device/system may configure receiver parameters corresponding to the received configuration data in order to receive at least one audio stream representative of the audio track requested. The near field communication device of the audio system may be configured to receive and/or send configuration data at a frequency in the range from 13 MHz to 14 MHz.

[0028] The communication unit may comprise a wireless transceiver or transmitter, thus allowing the transmission of configuration data to be performed using a wireless protocol.

[0029] In an exemplary communication unit, the configuration data may be transmitted wirelessly at one or more frequencies, e.g. in the range from 2.4 GHz to 2.5 GHz, in the range from 800 MHz to 1 GHz, in the range from 3.6 GHz to 3.7 GHz, in the range from 4.9 GHz to 5.9 GHz and/or in the range from 13 MHz to 14 MHz.

[0030] The communication unit may comprise a unit allowing transmitting configuration data by sending a text message, such as an SMS or email, to a mobile phone of the hearing system. Accordingly, the request may comprise a phone number and/or an email address.

[0031] The radio system may comprise a radio system control unit connected to the transmitter units and configured to control the transmitter units. The radio system control unit may further be connected to the communication unit to enable the communication unit to obtain information regarding the audio streams from the radio system.

[0032] The radio system control unit may be configured to determine configuration of each of the transmitter units, and decide which audio stream data to stream from which unit. Further the radio system control unit may control the audio ID to be transmitted as part of the audio stream, e.g. by sending a control signal to the respective transmitters.

[0033] The request indicative of an audio track, e.g. received at the communication unit, may be received from different sources depending on the audio system in question. The audio system may comprise a user interface unit connected to the communication unit. The user interface unit may be configured to receive a request indicative of at least one audio track and transmit the received request to the communication unit. The user interface unit may receive the request from a user of the audio system. The user interface may comprise one or more of a touchscreen, a keyboard, a mouse. The user interface may comprise a monitor or other display, including LED display, plasma screen, OLED display.

[0034] Alternatively or additionally the communication unit may receive the request from the hearing system or

a user via e.g. the internet, a local area network, a phone line or a near field communication device.

[0035] In an exemplary audio system, the request indicative of at least one audio track may be transmitted to the communication unit by a user sending a text message such as an SMS containing the request.

[0036] The request indicative of at least one audio track may comprise hearing system data. The hearing system data may contain information of the hearing system such as model of the hearing device, type of hearing device, if there is an accessory device, type of accessory device, phone number and email. This may allow the audio system to transmit the configuration data in several ways. It may also provide the audio system with the possibility to transmit configuration data specific to the hearing system from which the request was received.

[0037] The audio system may comprise a database unit configured for storing or comprising audio track, audio stream data and/or audio ID. The database unit may comprise configuration data for the radio system, e.g. in the form of a lookup table.

[0038] The database unit may be connected to the communication unit. Upon receiving a request indicative of an audio track, e.g. at the communication unit, determining configuration data for the hearing system may comprise searching the database unit for configuration data corresponding to the requested audio track.

[0039] The database unit may be connected to the radio system, for example via the radio system control unit.

The radio system may transmit data to the database unit containing information of the current state of each transmitter unit. Information transmitted from the radio system to the database unit may for example contain information on audio streams being currently transmitted, audio ID, audio group ID, transmitter ID, transmitter group ID, etc.

[0040] Alternatively or additionally the database unit may be configured for storing or comprise radio system configuration data. Thus, the radio system may retrieve data, from the database unit, indicative of contents to be transmitted at the transmitter units.

[0041] The database unit may also be connected to the user interface unit. The user interface unit may transmit data to the database unit, indicative of controlling the transmitter units of the radio system. The radio system may then retrieve information from the database unit on e.g. audio stream, audio ID, audio group ID etc. to transmit from the transmitter units.

[0042] The communication unit may also or alternatively be configured to transmit configuration data based on the request indicative of at least one audio track to an accessory device of the hearing system. Communication between the accessory device and the communication unit of the audio system may be via the internet, a phone line, a local area network or other techniques. The accessory device may subsequently be able to transfer the configuration data to the hearing device, thus enabling the hearing device to receive at least one audio stream representative of the requested audio track and play the

audio track represented by the received audio stream.

[0043] The accessory device may be e.g. a mobile phone, a tablet computer, a smart phone, a hearing device remote control unit or a key card.

[0044] The method for operating an audio system for transmitting wireless audio streams may comprise transmitting at least one or a plurality of wireless audio streams with respective audio ID from a transmitter unit of the radio system. The method comprises receiving a request indicative of at least one audio track and transmitting configuration data based on the request for at least one audio track to at least one hearing system.

[0045] Receiving the request indicative of at least one audio track may comprise receiving a request indicative of at least one audio track at the communication unit.

[0046] The configuration data may comprise at least a part of audio ID of an audio stream representative of the requested audio track.

[0047] In an exemplary method, the radio system assigns audio ID to each audio stream. The radio system transmits the audio ID to the communication unit. When the communication unit receives a request indicative of at least one audio track, the communication unit transmits configuration data based on the request indicative of at least one audio track to a hearing system. The hearing system receives the configuration data, configures the hearing device according to the configuration data, and receives the corresponding audio stream from the transmitter unit of the radio system, thus enabling playback of the audio track represented by the audio stream data.

[0048] The method may comprise transmitting the configuration data from the communication unit to the hearing system via a near field communication device in the communication unit and a near field communication device in the hearing system.

[0049] In an exemplary method, transmitting the configuration data may be achieved by having the hearing system in close proximity to the near field communication device of the communication unit. A choice of a plurality of near field communication devices of the communication unit may serve as a way of selecting the audio track to request.

[0050] Transmitting configuration data to the hearing system may comprise transmitting configuration data to an accessory device of the hearing system, such as e.g. a mobile phone, a tablet computer, a smart phone, a hearing device remote control unit or a key card.

[0051] In an exemplary method, the communication unit transmits the configuration data to an accessory device, e.g. via a phone line, over the internet, via a local area network or via a near field communication device. The accessory device is then able to transmit the configuration data to the hearing device. Hereby, a power consuming pairing procedure between the hearing device and the audio system is avoided or at least simplified.

[0052] The audio stream may be transmitted at selected frequencies e.g. at a frequency in the range from 2.4 GHz to 2.5 GHz or at a frequency in the range from 800

MHz to 1 GHz. Other suitable frequencies may be in the range from 3.6 GHz to 3.7 GHz and/or in the range from 4.9 GHz to 5.9 GHz

[0053] The figures are schematic and simplified for clarity, and they merely show details which are essential to the understanding of the invention, while other details have been left out. Throughout, the same reference numerals are used for identical or corresponding parts.

[0054] Fig. 1 schematically illustrates an exemplary audio system 2 for transmitting wireless audio streams to a hearing system 6. The hearing system 6 comprises a hearing device 6A and optionally an accessory device 6B. The audio system 2 comprises a radio system 8 comprising a plurality of transmitter units 10, 10', 10'', 10'''. Each transmitter unit 10, 10', 10'', 10''' is configured to transmit an audio stream 16, 16', 16'', 16''' with audio ID indicative of the audio stream 16, 16', 16'', 16'''. The audio system 2 further comprises a communication unit 4 for transmitting configuration data 12 to the hearing system 6. The communication unit 4 is configured to receive a request 11 indicative of an audio track from the hearing system 6. The communication unit 4 is configured to determine configuration data for the hearing system 6 based on the request 11 indicative of an audio track. The communication unit 4 is further configured to transmit the configuration data 12 to the hearing system 6, allowing the hearing system 6 to configure for receipt of an audio stream representative of the audio track indicated in the request. The request 11 and the configuration data 12 may be transmitted directly between the communication unit 4 and the hearing system 6. One or both of the request 11 and the configuration data 12 may be transmitted via a network (not shown), e.g. the internet, or a local area network.

[0055] The hearing system 6 receives audio streams 16, 16', 16'', 16''' transmitted from the respective transmitter units 10, 10', 10'', 10'''. The configuration data 12 from the communication unit 4 enables the hearing system 6 to configure the receiver/transceiver of the hearing device 6A in order to receive and select the audio stream representative of the audio track requested in a simple and power efficient way. Thus the hearing device 6A is enabled to play the requested audio track, e.g. after signal processing to compensate for the hearing loss or disability of the hearing device user.

[0056] The communication link 14 between the radio system 8 and the communication unit 4, enables the communication unit to obtain radio system information, thereby determining configuration data corresponding to the audio streams 16, 16', 16'', 16''', of the transmitter units 10, 10', 10'', 10''' and the request indicative of at least one audio track 11, received from the hearing system.

[0057] The hearing system 6 may comprise at least one hearing device 6A and optionally an accessory device 6B such as a mobile phone, a tablet computer, a smart phone, a hearing device remote control unit or a key card. The accessory device 6B and the hearing device 6A may transmit data between each other. Trans-

mission of data between the accessory device 6B and the hearing device 6A may be performed wirelessly, using e.g. Bluetooth or similar, Wi-Fi or near field communication.

[0058] The communication unit 4 may transmit configuration data 12 and/or receive request indicative of at least one audio track 11, via a wireless method.

[0059] The audio system 2 may optionally further comprise one or more of a near field communication device, a user interface unit, a radio system control unit and/or a database unit. Audio systems comprising these units are exemplified in the exemplary audio systems illustrated by example in Figs. 2-4.

[0060] Fig. 2 schematically illustrates an exemplary audio system. The audio system 2' comprises the same features as the audio system 2 shown in fig. 1. The communication unit 4' comprises a near field communication device 18 for receiving and/or transmitting short range data to and/or from the hearing system 6. The communication unit 4' receives a request 11' indicative of an audio track from the hearing system 6 via the near field communication device 18. The communication unit 4' transmits configuration data 12', based on the received request 11', via the near field communication device 18, to the hearing system 6. Then the hearing system 6 may be configured according to the configuration data 12', and the hearing system 6 is enabled to play the requested audio track.

[0061] Fig. 3 schematically illustrates an exemplary audio system. The audio system 2'' comprises the same features as the audio system 2' shown in fig. 2. The audio system 2'' comprises an optional user interface unit 22, and the radio system 8' further comprises an optional radio system control unit 20. The radio system control unit 20 is configured to control the transmitter units 10, 10', 10'', 10''', e.g. controlling for each transmitter unit 10, 10', 10'', 10''' which audio track to stream, which audio ID and audio group ID to transmit etc. The transmitter units 10, 10', 10'', 10''' of the radio system 8', each transmits an audio stream 16, 16', 16'', 16''' with audio ID controlled by the radio system control unit 20. The communication unit 4' receives a request indicative of an audio track 11'' from the user interface unit 22. The communication unit 4' obtains radio system information 14' from the radio system control unit 20 of the radio system 8'. The communication unit 4' transmits configuration data 12', based on the received request 11'' and the radio system information 14', via the near field communication device 18, to the hearing system 6. Then the hearing system 6 may be configured according to the configuration data 12', and the hearing system 6 is enabled to play the requested audio track. It is to be understood that the near field communication device 18 is an example of a transmitter. Other exemplary transmitters may include a Bluetooth transmitter (2.4-2.5 GHz). In exemplary communication units, the configuration data are sent via the internet, i.e. the communication unit may comprise a web interface (not shown).

[0062] Fig. 4 schematically illustrates an exemplary audio system. The audio system 2''' comprises the same features as the audio system 2'' shown in fig. 3. The audio system 2''' comprises an optional database unit 24. The user interface unit 22 transmits configuration data 26 to the database unit 24 indicative of audio streams to transmit at each transmitter unit 10, 10', 10'', 10''', e.g. audio track, audio ID and audio group ID.

[0063] The radio system control unit 20 is obtaining radio system configuration data 28 from the database unit 24 and controls the transmitter units 10, 10', 10'', 10''' of the radio system according to the radio system configuration data 28. Upon receipt of a request indicative of an audio track 11'', the communication unit 4' obtains relevant information 14'' from the database unit 24. The communication unit 4' transmits configuration data 12'', based on the received request 11'' and the information 14'', via the near field communication device 18 or other transmitter, to the hearing system 6. Then the hearing system 6 may be configured according to the configuration data 12'', and the hearing system 6 is enabled to play the requested audio track.

[0064] Fig. 5 shows a flow diagram of an exemplary method 100 for operating an audio system for transmitting wireless audio streams to a hearing system. The audio system comprises a communication unit and a radio system. The radio system comprises a plurality of stationary transmitter units for transmitting at least a first audio stream with first audio ID indicative of the first audio stream. The method 100 comprises receiving a request indicative of at least one audio track 102; determining configuration data for the hearing system 104 based on the request indicative of at least one audio track; and transmitting the configuration data to the hearing system 106 for allowing the hearing system to receive at least one audio stream representative of the audio track indicated in the request.

[0065] The request 102 may comprise data enabling the audio system to identify at least one audio stream representative of the audio track indicated in the request. The request may comprise or indicate e.g. an audio track for a specific movie starting at a specific time, or all calls in an airport regarding a certain flight. Further the request may comprise hearing system data, e.g. model of the hearing device, type of hearing device, if there is an accessory device, type of accessory device, phone number and/or email. The request 102 may be transmitted by sending a text message such as an SMS or an email or it may be transmitted via the internet, a local area network, a Bluetooth transceiver and/or a near field communication device.

[0066] The determination of configuration data 104 comprises retrieving information about audio streams from the radio system and/or from a database of the audio system. The configuration data are based on the received request and corresponding information on audio streams. The determination may comprise utilizing hearing system data received as part of the request 102, al-

lowing configuration data to be mapped specifically to the hearing device and/or hearing system in question.

[0067] Transmitting the configuration data to the hearing system 106 comprises transmitting data to a hearing device of the hearing system or to an accessory device of the hearing system. The method of transmitting the configuration data 106 may comprise sending a text message such as an SMS or an email or the configuration data may be transmitted via the internet, a local area network, a Bluetooth transceiver and/or a near field communication device.

[0068] The method of transmitting the configuration data 106 may be chosen based on the content of the request 102. Thus, as an example, if the request 102 comprises an email address, the configuration may be send to the email address. If the request 102 comprises information indicating several methods for transmitting the configuration data 106, the method for transmitting the configuration data 106, may be selected from a prioritized list of the methods comprised in the request 102.

[0069] The configuration data transmitted to the hearing system enables the hearing system to configure the receiver/transceiver of the hearing device of the hearing system in order to receive and select an audio stream representative of the requested audio track in a simple and power efficient way. Thus the hearing device is enabled to play the requested audio track, e.g. after signal processing to compensate for the hearing loss or disability of the hearing device user.

[0070] The configuration data transmitted 106, may comprise audio ID or parts thereof. In particular, the configuration data may contain information identifying a transmitter unit transmitting the requested audio stream (transmitter ID). Alternatively or additionally the configuration data may contain information of a group of transmitters (transmitter group ID) or a group of audio streams (audio group ID), e.g. to enable a hearing device to select the optimum audio stream and/or transmitter, such as the transmitter providing the best signal to noise ratio.

LIST OF REFERENCES

[0071]

2, 2', 2", 2'''	audio system
4, 4'	communication unit
6	hearing system
6A	hearing device
6B	accessory device
8, 8'	radio system
10	first transmitter unit
10'	second transmitter unit
10"	third transmitter unit
10'''	fourth transmitter unit
11, 11', 11"	request indicative of an audio track
12, 12'	configuration data for the hearing system
14, 14', 14"	obtaining radio system information at the communication unit

16	first audio stream
16'	second audio stream
16"	third audio stream
16'''	fourth audio stream
5 18	near field communication device
20	radio system control unit
22	user interface unit
24	database unit
26	transmitting configuration data to the database unit
10 28	obtaining radio system configuration data at the radio system
100	method for operating an audio system
102	receive request indicative of at least one audio track
15 104	determine configuration data
106	transmit configuration data

Claims

1. Method for operating an audio system for transmitting wireless audio streams to a hearing system, an audio stream representing an audio track, the audio system comprising a communication unit and a radio system comprising a plurality of stationary transmitter units for transmitting at least a first audio stream with first audio identification data indicative of the first audio stream and a second audio stream with second audio identification data indicative of the second audio stream, the plurality of stationary transmitter units including a first transmitter unit and a second transmitter unit, the method comprising:
 - receiving a request indicative of at least one audio track;
 - determining configuration data for the hearing system based on the request indicative of at least one audio track; and
 - transmitting the configuration data to the hearing system for allowing the hearing system to receive at least one audio stream representative of the audio track indicated in the request.
2. Method according to claim 1, wherein transmitting configuration data to the hearing system comprises transmitting configuration data to a hearing device of the hearing system.
3. Method according to any of the preceding claims, wherein transmitting configuration data to the hearing system comprises transmitting configuration data at a frequency in the range from 2.4 GHz to 2.5 GHz and/or in the range from 800 MHz to 1 GHz and/or in the range from 13 MHz to 14 MHz.
4. Method according to any of the preceding claims, wherein the configuration data comprises at least a

part of audio identification data of at least one audio stream representative of the audio track indicated in the request.

5. Method according to any of the preceding claims, wherein the audio identification data comprises one or more of transmitter identification data, transmitter group identification data, audio group identification data, audio type identification data, audio protocol identification data. 5
6. Method according to any of the preceding claims, wherein the configuration data comprises first configuration data for a first hearing system model or type and second configuration data for a second hearing system model or type. 10
7. Method according to any of the preceding claims, wherein the request indicative of at least one audio track comprises hearing system data. 15
8. Method according to any of the preceding claims, wherein transmitting configuration data to the hearing system comprises transmitting configuration data to an accessory device of the hearing system. 20
9. Method according to claim 8, wherein the accessory device is selected from the group of a mobile phone, a tablet computer, a smart phone, a hearing device remote control unit, and a key card. 25
10. Audio system for transmitting wireless audio streams to a hearing system, wherein an audio stream is an electromagnetic signal representative of an audio track, the audio system comprising: 30
 - a radio system comprising a plurality of stationary transmitter units configured to transmit at least a first audio stream with first audio identification data indicative of the first audio stream and configured to transmit at least a second audio stream with second audio identification data indicative of the second audio stream, the plurality of transmitter units including a first transmitter unit and a second transmitter unit; and 40
 - a communication unit for transmitting configuration data for the hearing system; 45

wherein the communication unit is configured to 50

 - receive a request indicative of at least one audio track; 55
 - determine configuration data for the hearing system based on the request indicative of at least one audio track; and
 - transmit the configuration data to the hearing system for allowing the hearing system to receive at least one audio stream representative

of the audio track indicated in the request.

11. Audio system according to claim 10, wherein the communication unit comprises a wireless transmitter for transmitting the configuration data to a hearing device of the hearing system.
12. Audio system according to any of claims 10-11, wherein the communication unit comprises a near field communication device configured to transmit configuration data based on the request indicative of at least one audio track to the hearing system.
13. Audio system according to any of claims 10-12, wherein the radio system comprises a radio system control unit connected to the transmitter units and configured to control the transmitter units.
14. Audio system according to any of claims 10-13, wherein the audio system comprises a user interface unit connected to the communication unit, wherein the user interface is configured to receive the request indicative of at least one audio track and transmit the received request to the communication unit.
15. Audio system according to any of claims 10-14, wherein the communication unit is configured to transmit the configuration data based on the request indicative of at least one audio track to an accessory device of the hearing system.

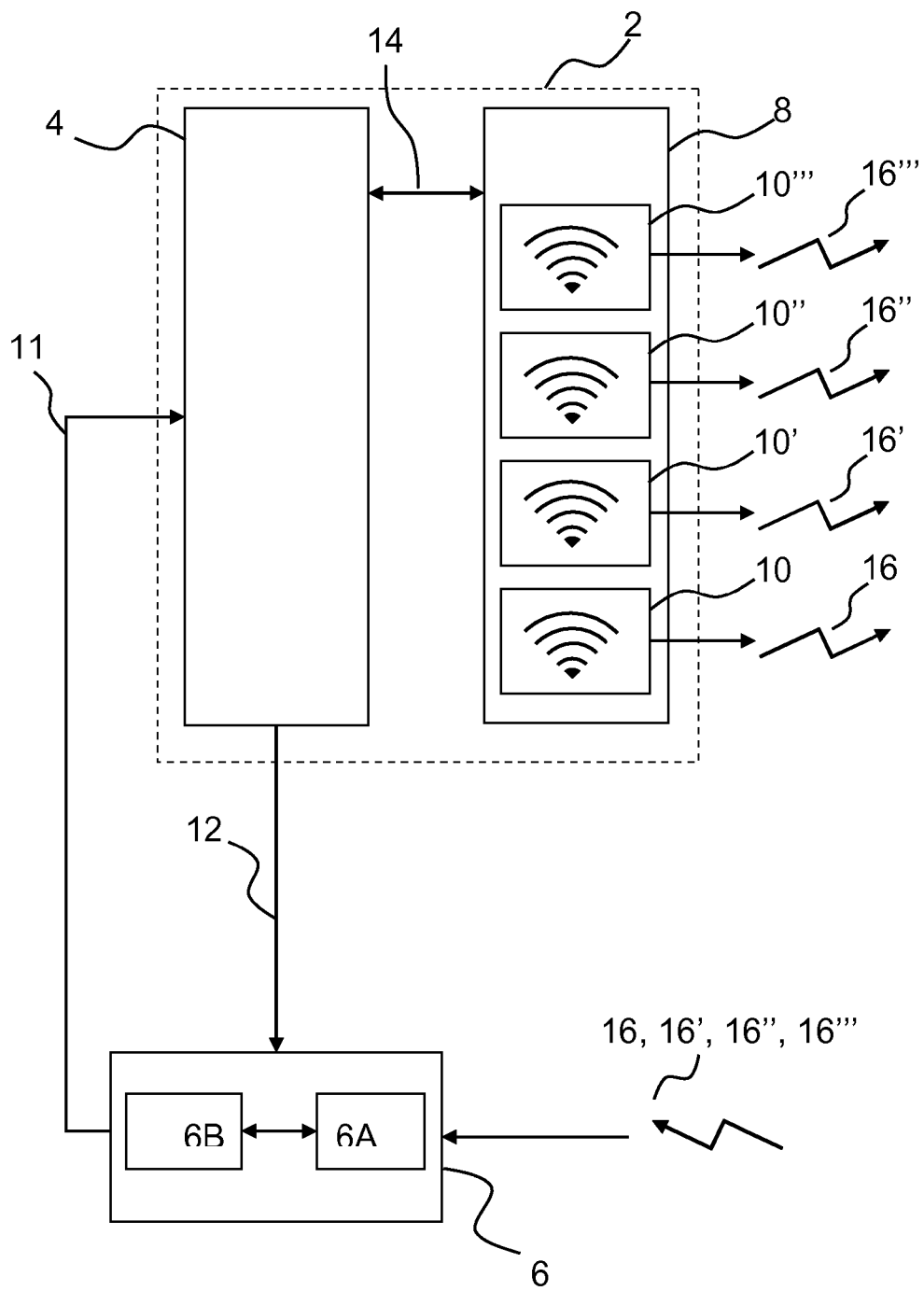


Fig. 1

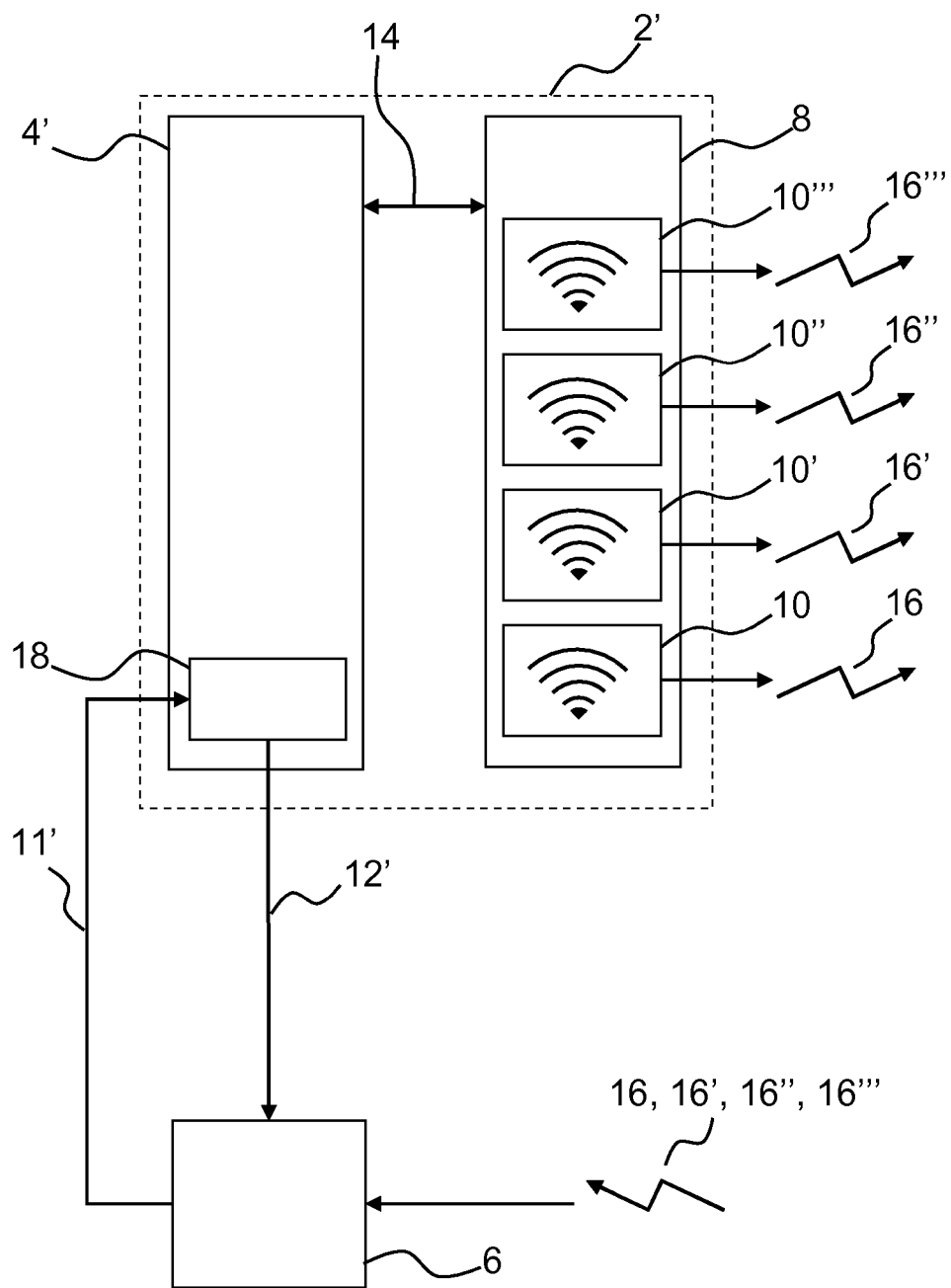


Fig. 2

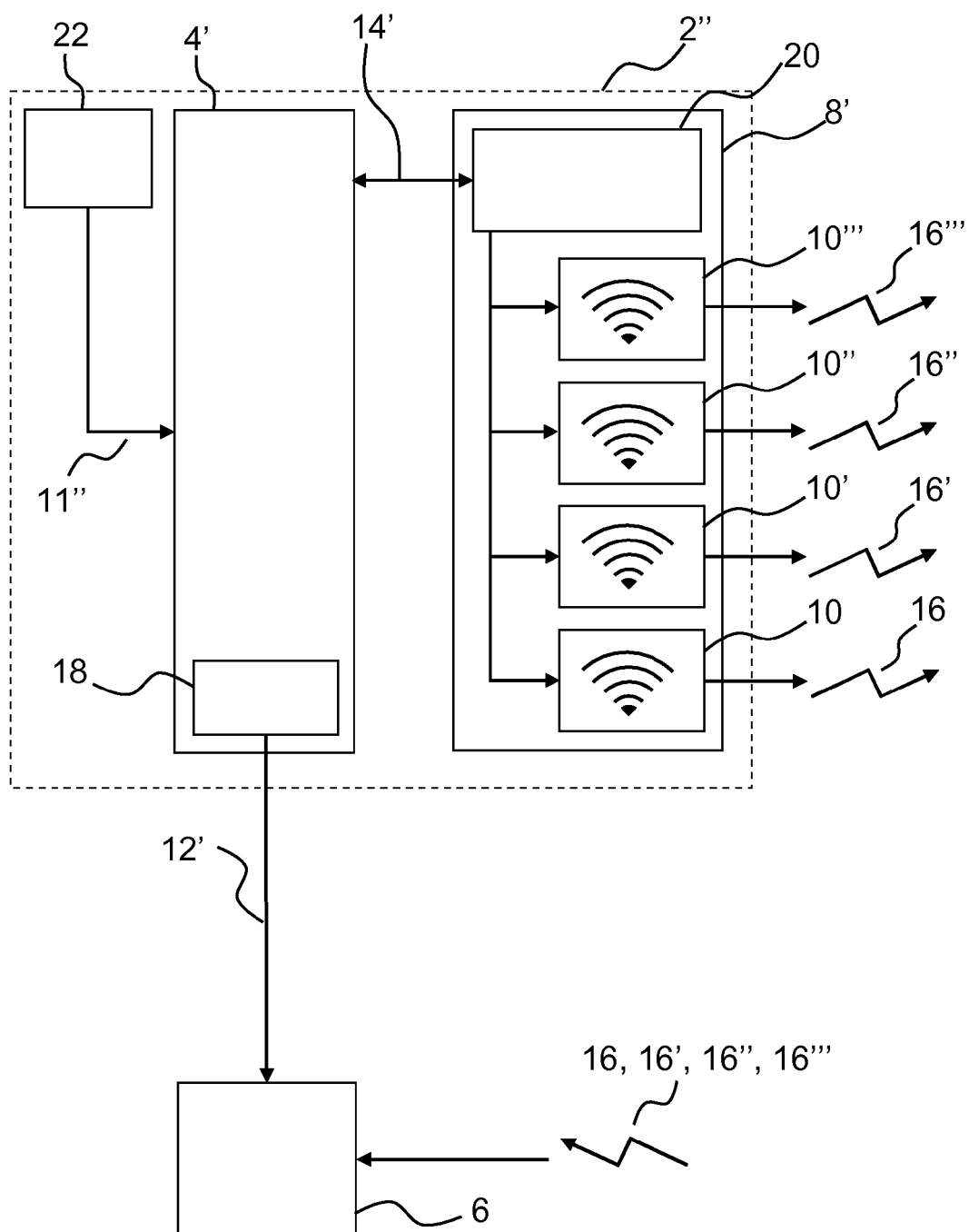


Fig. 3

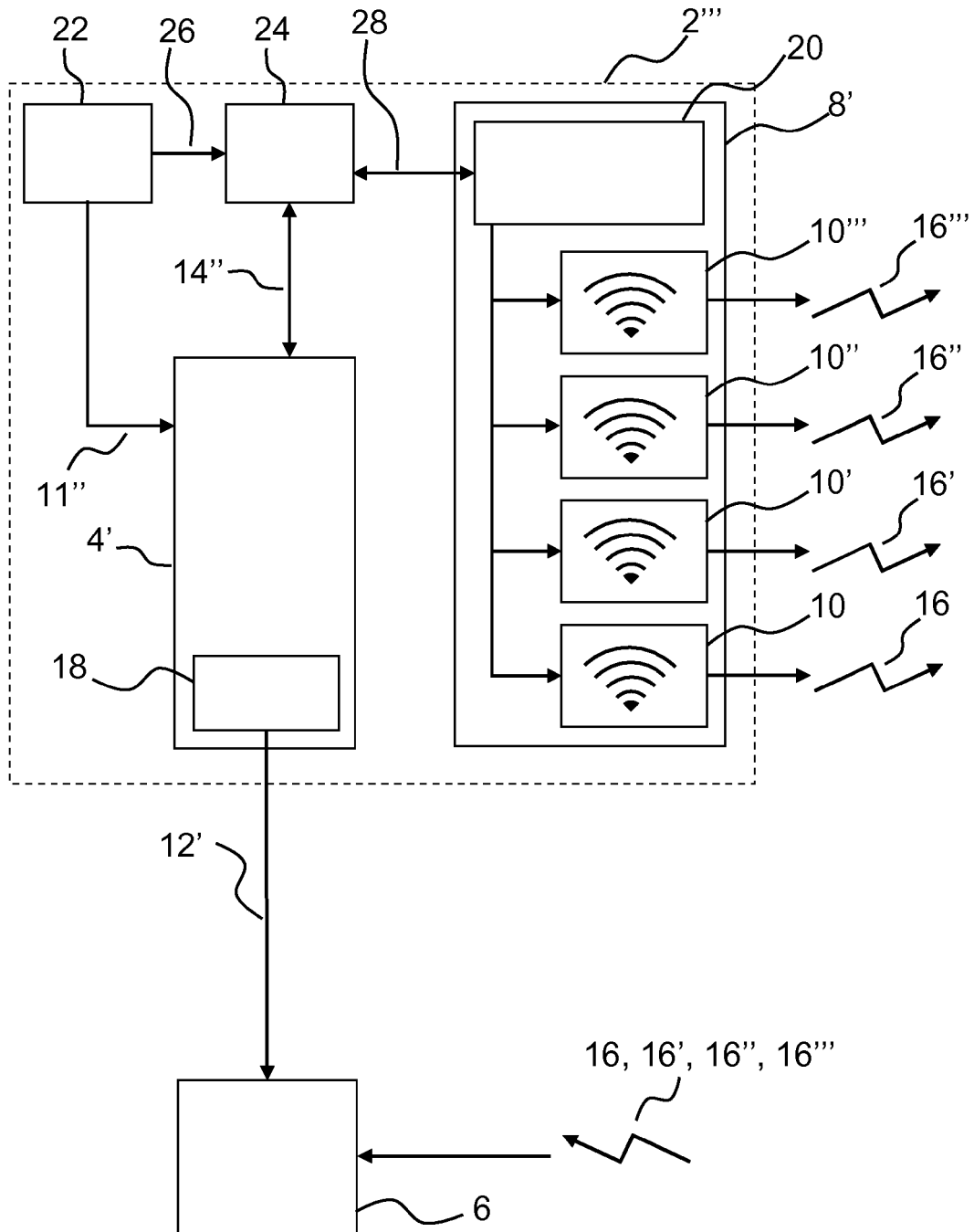


Fig. 4

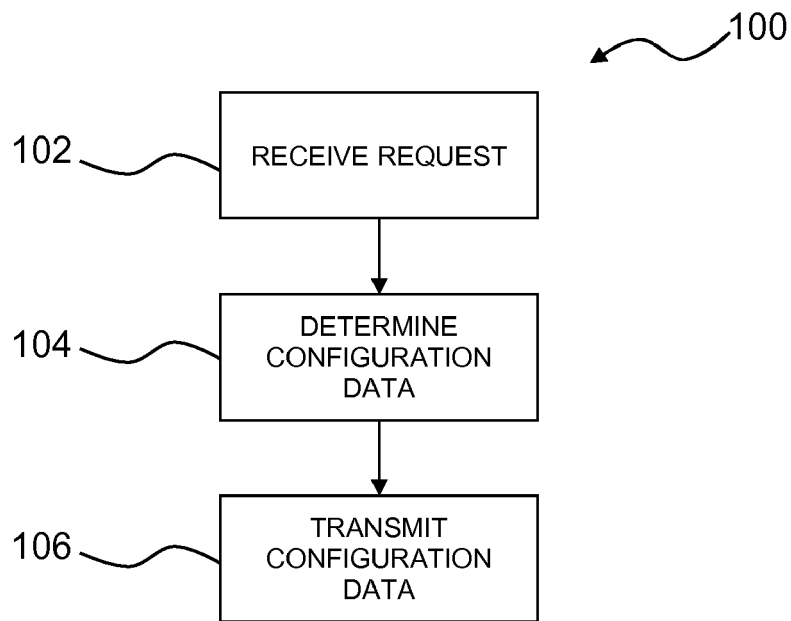


Fig. 5



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