

## CLAIMS

1. Device for use in a hearing aid system, comprising  
a radio antenna for reception and/or transmission to/from other  
devices in said hearing aid system,  
5                    wherein said device is arranged to register a radio disturbance  
received by said radio antenna at an occasion when said radio  
antenna is not used for reception and/or transmission to/from said  
other devices, and wherein said radio disturbance originates from a  
hearing aid device in said hearing aid system.  
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2. The device according to claim 1, further being arranged to register an  
intensity level of said radio disturbance.
3. The device according to any one of the preceding claims, wherein said  
15                    device is arranged to register radio disturbances at multiple  
frequencies in a frequency band from 150 MHz to 2,5 GHz.
4. The device according to any one of the preceding claims, wherein said  
device is arranged to register radio disturbances in the order from -100  
20                    dB to -60 dB.
5. The device according to any one of the preceding claims, wherein said  
reception and/or transmission is carried out using digital  
communications.  
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6. The device according to any one of the preceding claims, wherein said  
device is a mini receiver for a hearing aid device in said hearing aid  
system.
- 30                    7. The device according to claim 6, wherein said mini receiver further  
comprises means for shutting down itself in case of registered  
indication that said radio disturbance is stronger than a predetermined  
level.

8. The device according to any one of claims 1-7, wherein said device is a setting device for a mini receiver in said hearing aid system, wherein said setting device is arranged to wirelessly communicate with said mini receiver, and wherein
- 5           said setting device is arranged to communicate settings of said mini receiver to said mini receiver.
9. The device according to claim 8, wherein said device comprises a connection for connecting said mini receiver in order for a user to listen
- 10          to said mini receiver from a hearing aid device via an inductive loop or via a headphone or an earpiece.
10. The device according to claim 9 wherein said connection is arranged to
- 15          read settings from said mini receiver.
11. The device according to claim 10, wherein said device is arranged to wirelessly or via said connection transmit read settings to a mini receiver.
- 20          12. The device according to any one of claims 8-11, wherein said setting device is arranged to activate and deactivate at least one of the following functions of the mini receiver: setting of audio level and impedance level, indication of tone, automatic sleep mode, pairing, always on.
- 25          13. The device according to any one of claims 8-12, wherein said setting device is arranged to set multiple mini receivers substantially at the same time.
- 30          14. The device according to any one of claims 1-5, wherein said device is a transmitter device in said hearing aid system, wherein said transmitter device comprises a microphone for recording of audio information.

15. The device according to claim 10, wherein said transmitter device is arranged to wirelessly change settings of said mini receiver.
- 5 16. The device according to any one of the preceding claims, wherein said device comprises a separate radio antenna for registration of said radio disturbance, said separate radio antenna being separated from said radio antenna for reception and/or transmission to/from other devices in said hearing aid system.
- 10 17. The device according to any one of the preceding claims, wherein said device comprises means for indicating that said registered radio disturbance is stronger than a predetermined level.
- 15 18. The device according to any one of the preceding claims, wherein said device comprises means for indicating said registered radio disturbance visually and/or audibly via a light unit, a display or a audio generating device .
- 20 19. A transmission system comprising  
a mini receiver connected to a hearing aid device and comprising a radio antenna for reception of communications,  
a setting device comprising a radio antenna for communication of settings and audio information to said mini receiver,  
a transmitter device comprising a radio antenna for transmission  
25 of audio information to said mini receiver,  
wherein at least one of said mini receiver, setting device, or transmitter device is arranged to register a radio disturbance at an occasion when its radio antenna is not used for reception and/or transmission, and wherein said radio disturbance originates from a  
30 hearing aid device in said hearing aid system.