

transducer means of the other unit. Hereby each of the hearing aid units, for the left and right side ears respectively, perform in addition to digital signal processing adapted to compensate for the hearing loss of the ear served by the unit, a simulated full digital signal processing of sound signals received by the unit for the opposite ear and adapted
 5 to compensate for the specific hearing loss of that ear, as well as a common binaural signal processing taking into account both of the normally different compensation characteristics of both units.

It is well known, for a hearing aid fitter, to program each one among a pair of hearing aids with a set of individualized adjustment data adapted to the specific compensation
 10 requirements of the corresponding ear of the intended user. This data set includes e.g. filter coefficients for the filters in the signal processing path. If, in addition to the above, a second set of individualized adjustment data adapted to the specific compensation requirements of the other ear of the intended user is to be programmed into each one among the same pair of hearing aids, then the hearing aid fitting practice
 15 would need to be changed because the hearing aid fitter must take care that both sets of individualized adjustment data would be stored in both hearing aids. This would increase the time that the hearing aid fitter needs to spend on each fitting.

Sometimes one of the two hearing aids of a binaural hearing aid system fails and needs repair. In case the hearing impaired user is given a replacement for the failed hearing
 20 aid, the replacement hearing aid normally needs to be programmed by a hearing aid fitter in accordance with the specific compensation requirements of the hearing aid user.

It is therefore a feature of the present invention to overcome at least these drawbacks and provide a method for initialization of a binaural hearing aid system, and a hearing
 25 aid and a binaural hearing aid system adapted for operating according to such a method.

SUMMARY OF THE INVENTION

Herein disclosed is ~~The invention, in a first aspect, provides~~ a method for initialization of a binaural hearing aid system ~~according to claim 1.~~

5 | In a first aspect, there is provided a method for initialization of the two hearing aids in a binaural hearing aid system, said method comprising the steps of programming a first hearing aid with a first set of individualized adjustment data adapted to the specific compensation requirements of the first ear of the intended user, programming a second hearing aid with a second set of individualized adjustment data adapted to the specific compensation requirements of the second ear of the intended user, sending the first set of programmed individualized adjustment data from the first hearing aid, for storage in the second hearing aid, and sending the second set of programmed individualized adjustment data from the second hearing aid, for storage in the first hearing aid.

This provides a method that is simple to implement and does not require any modification of normal hearing aid fitting practice with respect to where to store the two sets of individualized adjustment data adapted to the specific compensation requirements of the ears of the intended user.

5 ~~Herein disclosed is~~The invention, in a second aspect, provides a hearing aid according to claim 12.

10 In a second aspect, there is provided a first hearing aid of a binaural hearing aid system comprising transceiver means adapted for providing a bidirectional communication link with a second hearing aid of the binaural hearing aid system, first memory means adapted for storing ipse-lateral individualized adjustment data adapted to the specific compensation requirements of the intended user, second memory means adapted for storing contra-lateral individualized adjustment data adapted to the specific compensation requirements of the intended user, means for determining whether individualized adjustment data are stored in the first hearing aid means for detecting
 15 when the second hearing aid is powered up, means for sending individualized adjustment data, and means for receiving and storing individualized adjustment data.

This provides a hearing aid that is simple to program with two sets of individualized adjustment data and easy to replace in case of failure or malfunction.

20 ~~The invention, in a third aspect, provides a method as recited in claim 16.~~
ThisVarious embodiments may provides a method that enables one of the two hearing aids in a binaural hearing aid system to be replaced by a new hearing aid without the need for programming of the new hearing aid by a hearing aid fitter. Instead the new hearing aid will be programmed with all necessary data during the initialization phase according to the invention.

25 Further advantageous features appear from the dependent claims.

Still other features of the present invention will become apparent to those skilled in the art from the following description wherein the invention will be explained in greater detail.

BRIEF DESCRIPTION OF THE DRAWINGS

By way of example, there is shown and described a preferred embodiment of this invention. As will be realized, the invention is capable of other different embodiments, and its several details are capable of modification in various, obvious aspects all
5 without departing from the invention. Accordingly, the drawings and descriptions will be regarded as illustrative in nature and not as restrictive. In the drawings:

Fig. 1 Illustrates schematically a first step in an initialization process of a binaural hearing aid system, according to an embodiment of the present invention;