Claims

1. A method for adapting an otoplastic of a hearing aid (1), the method comprising:

~~wherein according to the method~~

- providing a flexible outer shell (4) formed from a curable and not yet cured material, ~~which forms~~ the flexible outer shell (4) forming an outer wall of the otoplastic and ~~defines~~ defining a housing interior (6)~~, is provided,~~;
- sealing the housing interior (6) ~~is sealed both~~ at ~~its~~ a proximal end (18) thereof facing toward ~~the~~ an eardrum in ~~the~~ an intended worn state in an auditory canal of a hearing aid wearer and also sealing the housing interior (6) at ~~the~~ a distal end, opposite the proximal end~~,~~;
- connecting the housing interior (6) ~~is connected~~ via a pressure inlet opening (26) to a pressure and curing facilitator (28)~~,~~;
- placing an insert (40) to form a ventilation channel in the outer shell (4) between the proximal end (18) on the eardrum side and the distal end on an auditory canal outlet side of the outer shell (4);
- inserting the outer shell (4) ~~is inserted~~ into the auditory canal of the hearing aid wearer~~,~~;
- applying an elevated internal pressure value ~~is applied~~ to the housing interior (6) via the pressure and curing facilitator (28), ~~so that~~ to press the outer shell (4) ~~presses~~ against a wall of the auditory canal ~~wall,~~; and
- initiating ~~the~~ curing of the curable material ~~is initiated~~ via the pressure and curing facilitator (28) while maintaining the internal pressure value.

2. The method as claimed in claim 1, which comprises ~~wherein radiation is applied to~~ irradiating the outer shell (4) via the pressure and curing facilitator (28) ~~and the~~ to initiate a curing of the curable material ~~is thus initiated, in particular wherein UV light is emitted as radiation via the pressure and curing facilitator (28)~~.

3. The method as claimed in claim 2, which comprises emitting UV light as radiation with the pressure and curing facilitator (28).

4~~3~~. The method as claimed in any preceding claim ~~1 or 2~~,

~~wherein~~ the housing interior (6) is configured ~~in particular~~ for accommodating electrical components~~,~~; and ~~wherein to seal the housing interior (6),~~ the method comprises installing a terminus plate (2)~~, in particular a faceplate (2), is installed on~~ at the distal end facing the auditory canal outlet side, and installing a loudspeaker (12) ~~is installed~~ at the proximal end (18) on the eardrum side, on or in corresponding openings of the outer shell (4) when sealing the housing interior (6).

5. The method as claimed in claim 4, wherein the terminus plate (2) is a faceplate.

6~~4~~. The method as claimed in claim ~~3~~ 4, which comprises ~~wherein~~ positioning the loudspeaker (12) ~~is positioned~~ by means of a holder (21) in an intended alignment ~~in relation~~ relative to the terminus plate (2).

7~~5~~. The method as claimed in ~~claim 3 or 4~~ any one of claims 4 to 6, which comprises ~~wherein~~ inserting the pressure and curing facilitator (28) ~~is inserted~~ in a gas-tight manner into a battery opening (26) of the terminus plate (2) forming the pressure inlet opening~~, in particular while temporarily omitting a battery compartment door (22) for closing the battery opening (26)~~.

8. The method as claimed in claim 7, which comprises temporarily removing a battery compartment door (22) for closing the battery opening (26).

~~6. The method as claimed in any one of claims 1 to 5, wherein a ventilation channel between the end (18) on the eardrum side and the end on the auditory canal outlet side of the outer shell (4) is formed in this outer shell by means of an insert (40).~~

9~~7~~. A hearing aid (1), comprising:

- ~~having an~~ an outer shell (4), which forms an outer wall of an otoplastic of the hearing aid (1) and which is formed from a curable material ~~which~~ that is not yet cured in an intended intermediate manufacturing step;
- the outer wall defining a housing interior (6); and
- said otoplastic being adapted to an auditory canal of a hearing aid wearer by:
    sealing the housing interior (6) at a proximal end (18) thereof facing toward an eardrum in an intended worn state in the auditory canal of the hearing aid wearer and also sealing the housing interior (6) at a distal end, opposite the proximal end;

connecting the housing interior (6) via a pressure inlet opening (26) to a pressure and curing facilitator (28);

inserting the outer shell (4) into the auditory canal of the hearing aid wearer;

applying an elevated internal pressure value to the housing interior (6) via the pressure and curing facilitator (28), to press the outer shell (4) against a wall of the auditory canal;

placing an insert (40) to form a ventilation channel in the outer shell (4) between the proximal end (18) on the eardrum side and the distal end on the auditory canal outlet side; and

initiating curing of the curable material via the pressure and curing facilitator (28) while maintaining the internal pressure value.

10~~8~~. The hearing aid (1) as claimed in claim ~~7~~ 9, ~~——~~wherein the outer shell (4) has an outer membrane and an inner membrane~~,~~; and wherein the curable material is introduced into a gap space ~~arranged~~ between the outer membrane and the inner membrane.

11~~9~~. The hearing aid (1) as claimed in claim ~~7~~ 9, ~~——~~wherein the curable material is ~~provided~~ in a gel-type state prior to curing, ~~in particular without surface stickiness and with spatial cohesion,~~ in the intended intermediate manufacturing step~~,~~; and wherein the outer shell (4) is formed by the curable material while omitting outside and inside partition membranes.

12. The hearing aid (1) as claimed in claim 11, wherein the curable material in the gel-type state exhibits no surface stickiness and spatial cohesion.

13~~10~~. A hearing aid system, comprising:

- ~~having~~ a hearing aid (1) as claimed in any one of claims ~~7 to~~ 9 to 12; and
- ~~having~~ a pressure and curing facilitator (28) for connection to the pressure inlet opening of the hearing aid (1).