

Title (en)

METHOD FOR PRODUCING AN ADJUSTMENT PART TO BE INTRODUCED INTO AN ORGANIC CAVITY OF THE HUMAN BODY

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES PASSSTÜCKES ZUM EINSETZEN IN EINEN MENSCHLICHEN KÖRPERHOHLRAUM

Title (fr)

PROCEDE DE PRODUCTION D'UNE PIECE D'AJUSTAGE A INTRODUIRE DANS UNE CAVITE ORGANIQUE CHEZ L'HOMME

Publication

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Application

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Abstract (en)

[origin: DE19834849A1] In order to carry out an otoplasty for IO- and HdO-type audio prostheses or for a nose adjustment part, a hollow body in the shape of a truncated cone is provided that tapers towards the proximal end and that comprises a peripheral wall (12) made of a plastic light-curable material capable of deformation. The peripheral wall (12) is connected at its distal end by a removable closure plate (20) providing a tight seal. A flexible tube (22) extends inside the tightly sealed hollow body (10). After insertion of the hollow body into the ear, the flexible tube is used for inflating said hollow body until the peripheral wall (12) tightly conforms the surface of the auditory canal. At this step, the peripheral wall is at least partially reinforced by the action of light so that the hollow body (10) keeps its expanded shape even after eliminating the inner over-pressure. The closure plate (20) is then removed and the peripheral wall (12) is optionally permanently cured. The otoplasty thus obtained is used for receiving a auditory prosthesis module which is placed within the ear and which comprises a base plate that can be clipped onto the outer ring (18) of the peripheral wall (12). This method can be used for producing audio prostheses with a rapid and very precise individual adaptation of the otoplasty during a single session.

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