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(54) METHOD FOR MODELLING CUSTOMISED EARPIECES

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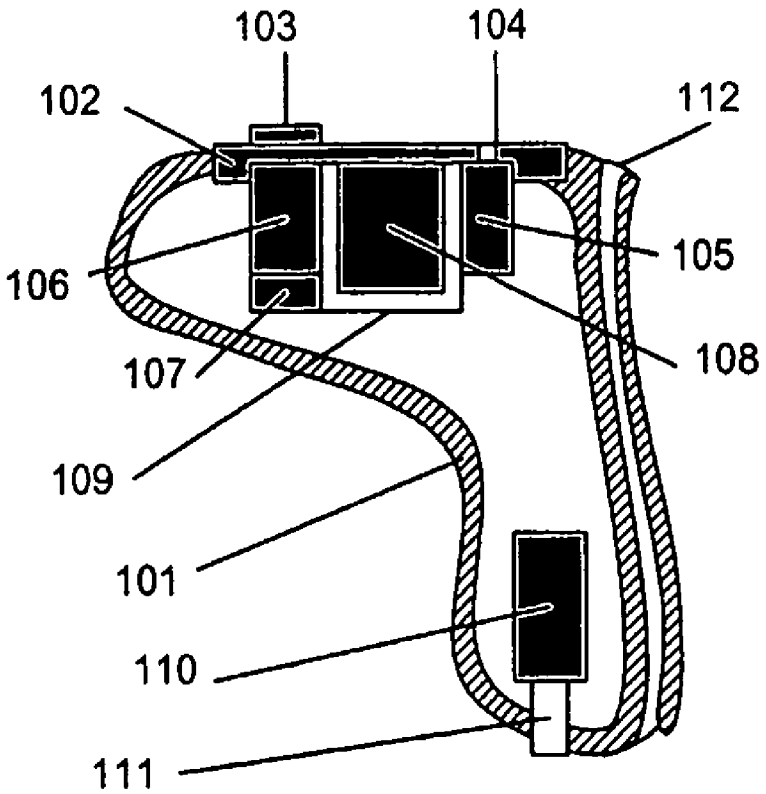
(57) **ABSTRACT**

The present invention relates to a method for computer-controlled modelling of customised earpieces. These earpieces include housings for hearing aids, wireless or connected communication devices (headsets, mobile phones, personal agents), loud speakers, tinnitus masking devices, devices recording vibrations in the skull and transforming these into audio signals, voice recognition devices, earplugs, noise blockers with selective frequencies or sound levels, Man Machine Interface (MMI) products that enable clear communication even in the noisiest environments, or products related to wireless Internet applications. All these earpieces may be worn in the user's meatus and/or auditory canal. The invention also relates to a computerised system for manufacturing such customised earpieces. In particular, the invention is directed to a computerised system that models an earpiece based on a three-dimensional replica of the user's meatus and/or auditory canal.



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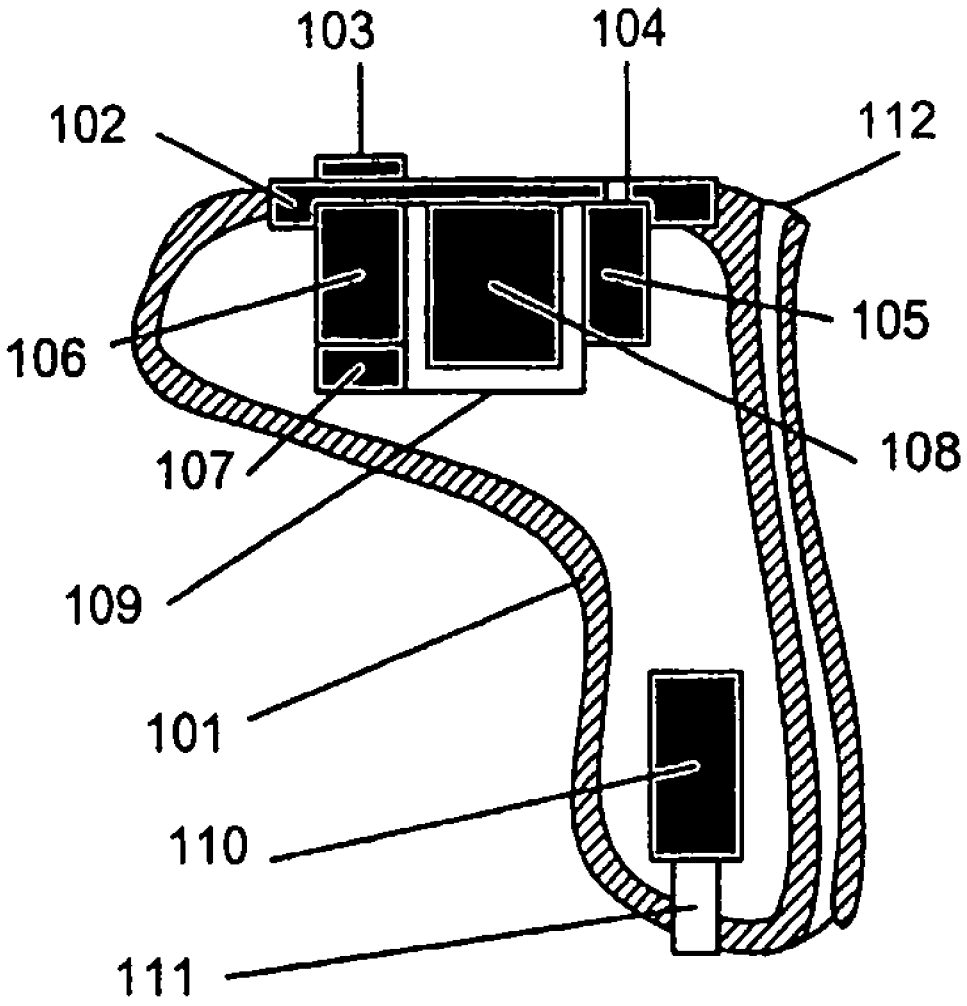

Figure 1

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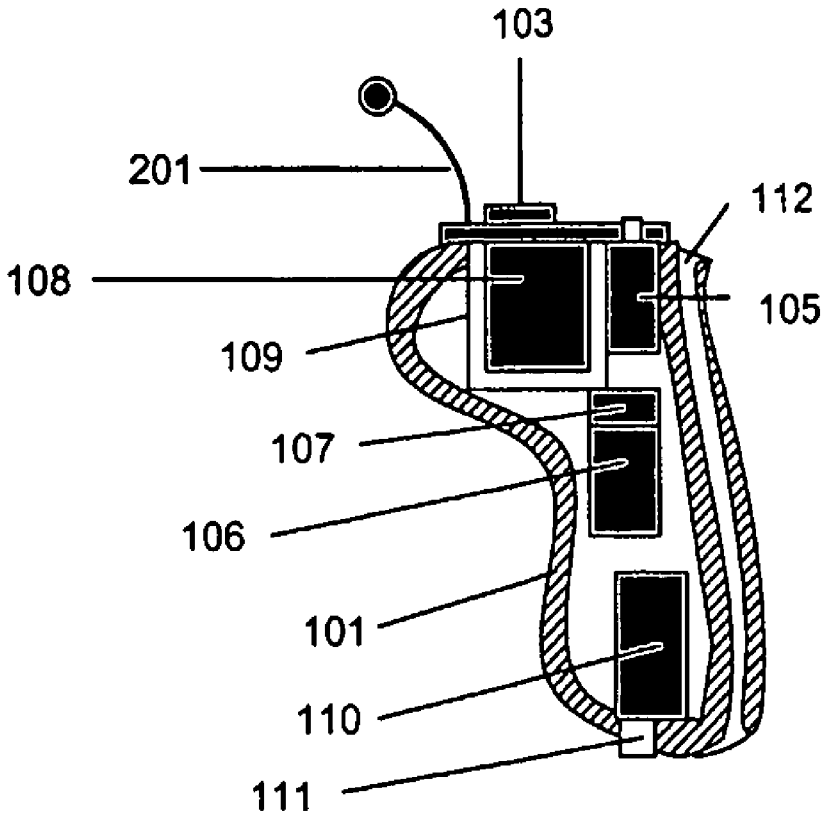

Figure 2

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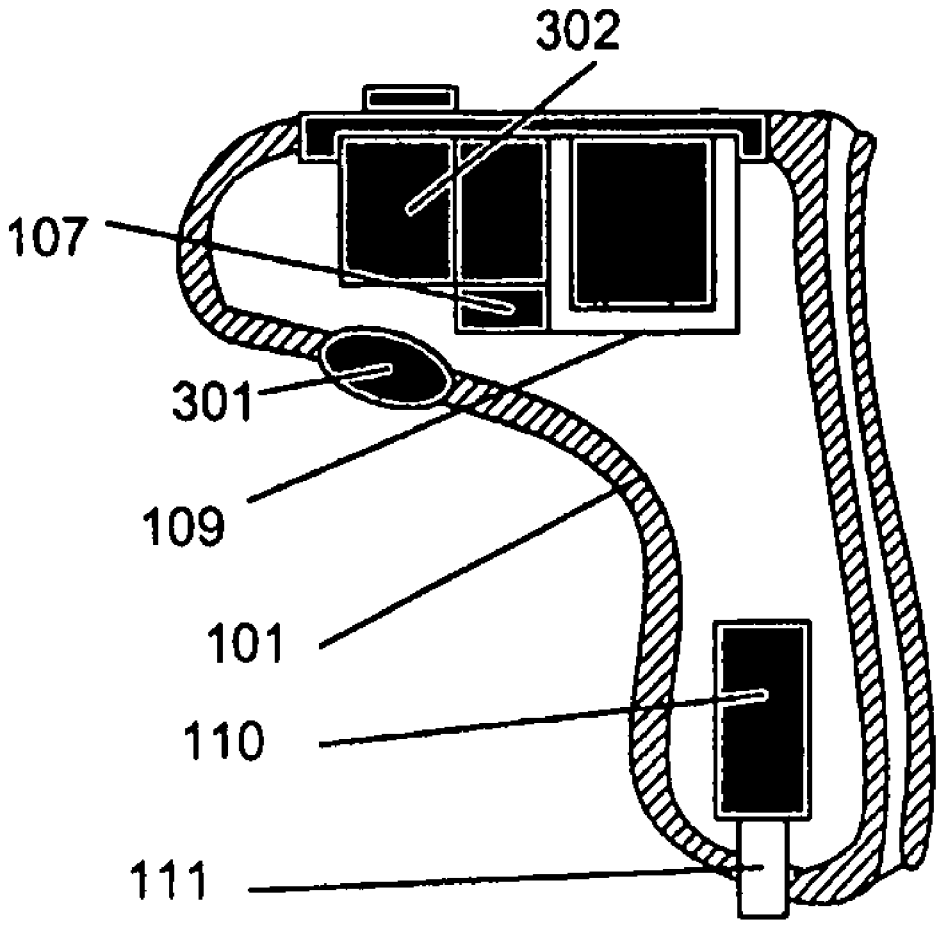

Figure 3

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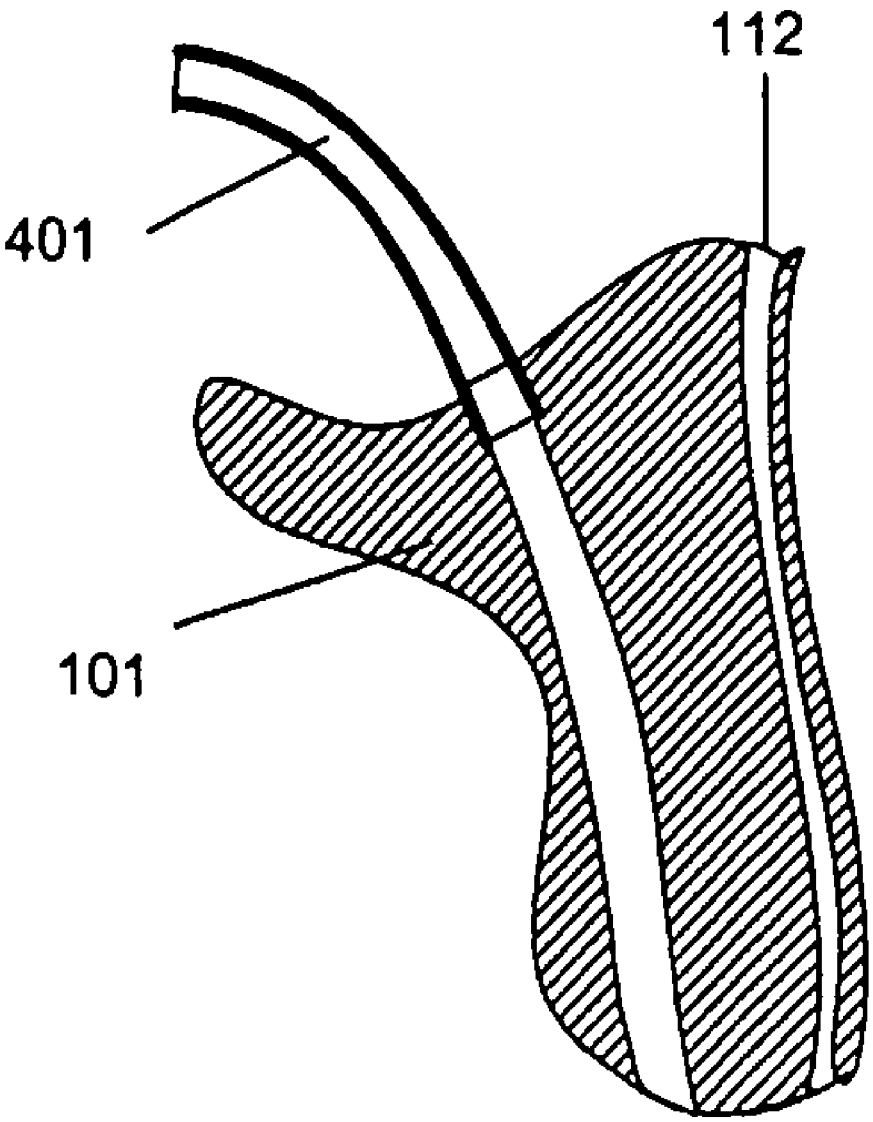

Figure 4

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