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(54) Title: AN EAR PLUG WITH SURFACE ELECTRODES

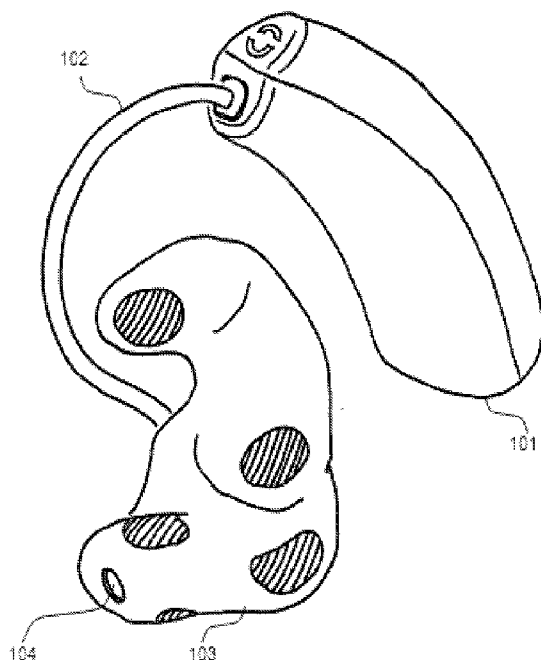


Fig. 1

(57) Abstract: An ear plug (200) comprising a shell (206)
with at least two electrodes (201 - 205) adapted for measur-
ing brain wave signals, said electrodes (201 - 205) being
connected with means for processing the measured signals,
wherein the contours of the outer surface of the ear plug
(200) and the electrodes (201 - 205) are individually
matched to at least part of the ear canal and the concha of
the user.



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