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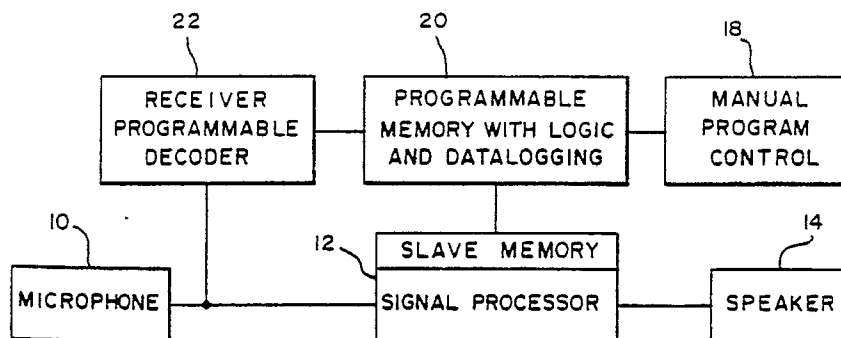
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11.09.91 Bulletin 91/37(71) Applicant: **DIAPHON DEVELOPMENT AB**

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(54) **Auditory prosthesis with datalogging capability.**

(57) An auditory prosthesis is provided with datalogging capability whereby the use of a plurality of settings as selected by the user is maintained. The recorded datalog can be periodically read and used for revising a prosthetic prescription by altering the settings and used as a means of refining initial prescriptions of other patients whose audiometric characteristics are similar to those of the user. In one embodiment for a programmable auditory prosthesis the datalogging information includes the num-

ber of times control programs are changed, the number of times a given control program is selected, and the total time duration for which a given program is selected. Accordingly, the processing of signals by a signal processor can be turned to fit the needs of an individual user. The prosthesis can have a remote control unit, and a datalog memory can be provided in the remote control unit along with a programmable memory which stores the control programs.

**FIG.—2****EP 0 335 542 A3**



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EUROPEAN SEARCH REPORT

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| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
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| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl.5) |
| X | WO-A-8 601 671 (CENTRAL INSTITUTE FOR THE DEAF) * Claims 2,3,7,8,10; figures 1-4; page 2, line 18 - page 7, line 14 * | 1-10 | H 04 R 25/00 |
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| | | | TECHNICAL FIELDS SEARCHED (Int. Cl.5) |
| | | | H 04 R |
| The present search report has been drawn up for all claims | | | |
| Place of search | | Date of completion of search | Examiner |
| The Hague | | 21 June 91 | ALI A.M.A.Y. |
| CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document | | | |