



(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
26.01.2000 Bulletin 2000/04

(51) Int Cl.7: H04R 25/00

(43) Date of publication A2:
11.02.1998 Bulletin 1998/07

(21) Application number: 97305981.9

(22) Date of filing: 06.08.1997

(84) Designated Contracting States:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE

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(30) Priority: 07.08.1996 US 691028

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(54) Digital hearing aid system

(57) A hearing aid (12,14), having alterable parameters, includes analog-to-digital input circuitry (30) for forming a digital signal representative of an incident acoustic wave. A digital signal processor (32), coupled to said input circuitry (30), forms and processes, at a first rate, first and second frequency distinguishable data streams representative, at least in part, of the digital

signal. A control unit (34) coupled to said processor (32) includes circuitry for logarithmically processing at least one of the digital data streams, at a reduced rate which is less than the first rate. A parameter value storage memory (34b) is coupled to the unit (34), and an interface (38) is provided for accessing the memory (34b) and altering parametric values stored therein.

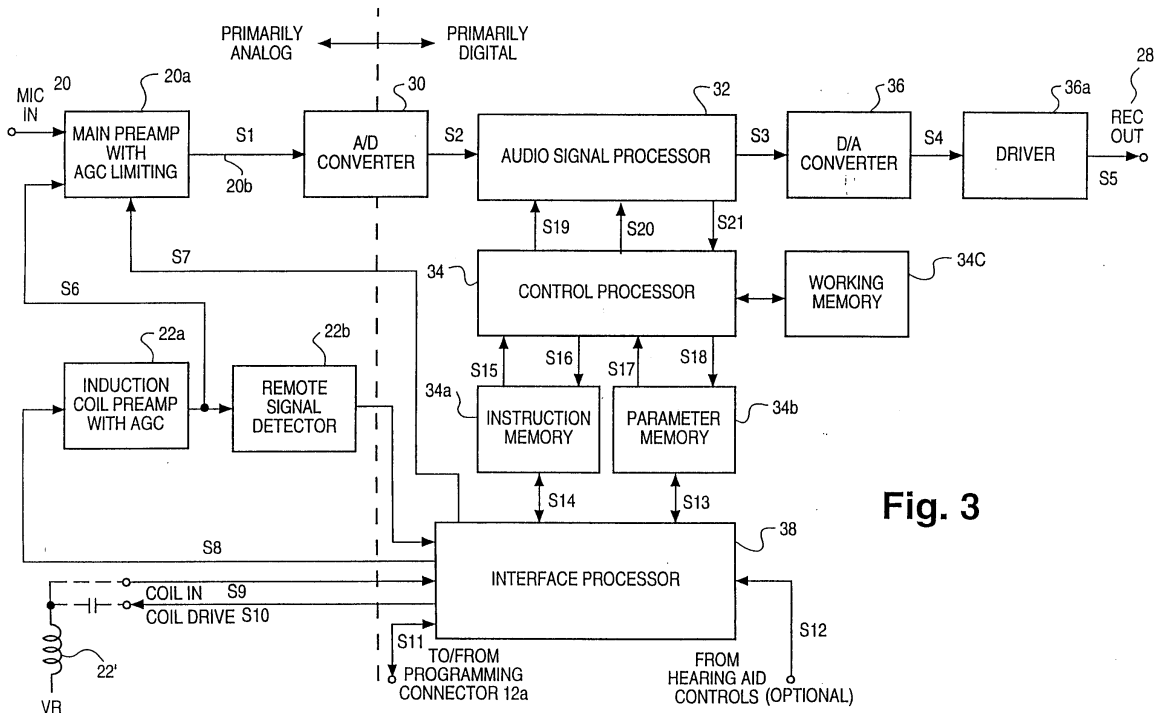


Fig. 3



European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 97 30 5981

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Place of search THE HAGUE		Date of completion of the search 8 December 1999	Examiner Gastaldi, G
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p> <p>& : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03.82 (P04C01)

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