



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
09.05.2001 Bulletin 2001/19

(51) Int. Cl.⁷: **G10K 11/168**, G10K 11/178

(43) Date of publication A2:
07.02.2001 Bulletin 2001/06

(21) Application number: **00122367.6**

(22) Date of filing: **02.07.1996**

(84) Designated Contracting States:
DE FR GB

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(30) Priority: **03.07.1995 US 834 P**

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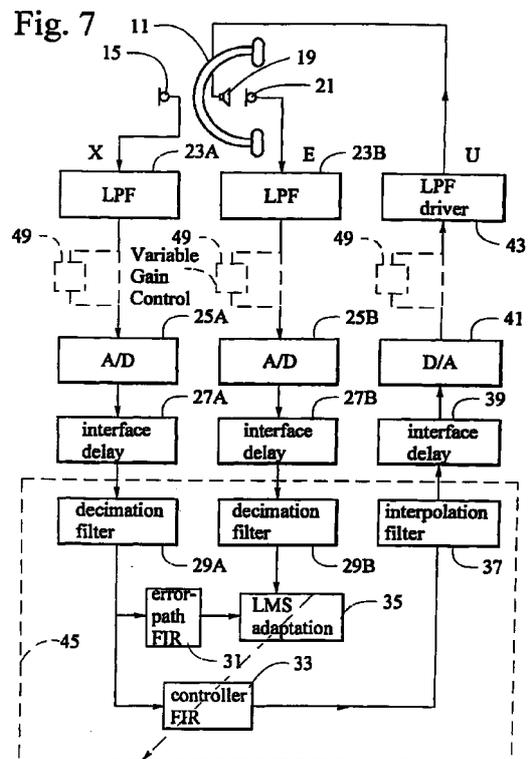
(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC:
96920661.4 / 0 836 736

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(54) **Digital feed-forward active noise control system**

(57) A method of noise control of an acoustic signal comprising:

obtaining a reference signal (X) of the acoustic signal to be controlled, applying an antinoise signal to the acoustic signal so as to control the acoustic signal, obtaining an error signal (E) resulting from the application of the antinoise signal (U) to the acoustic signal, generating the antinoise signal from the reference signal by passing the noise signal through a first filter (33) having controllable filter coefficients, using a simplified model (31) of a signal path from a location (19) of the antinoise signal to a location (21) of the error signal to obtain modified representations of the noise signal, controlling the filter coefficients by processing the error signal and the modified representation of the noise signal and generating a coefficient control signal (35) such as to generate the antinoise signal, and applying the coefficient control signal to the first filter.





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 12 2367

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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15 March 2001	Examiner de Heering, Ph.
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	

EPO FORM 1503 03/92 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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