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Publication number: **0 530 523 A3**

EUROPEAN PATENT APPLICATION

Application number: **92113366.6**

Int. Cl.⁵: **G10K 11/16**

Date of filing: **05.08.92**

Priority: **06.08.91 JP 196513/91**

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Date of publication of application:
10.03.93 Bulletin 93/10

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Designated Contracting States:
DE FR GB

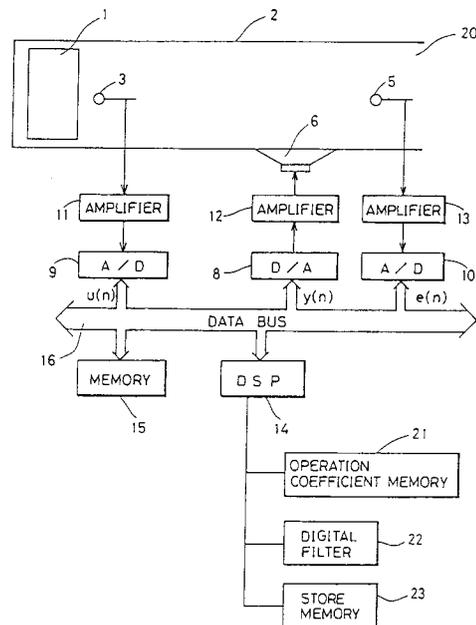
Date of deferred publication of the search report:
24.11.93 Bulletin 93/47

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Active silencer with improved method of selecting coefficient sequence.

There is the most appropriate coefficient sequence retained in a memory (15) in addition to a coefficient sequence for silencing signal operation used in a digital signal processor (14). Updating of coefficient sequences for operation, saving into the memory (15), and loading of the coefficient sequence in the memory (15) into a memory for operation of the digital signal processor (14) are performed according to variation of average power of a silencing error signal $e(n)$ in silencing operation. Furthermore, with detection of abnormality of an input/output signal and a coefficient sequence, the coefficient sequence retained in the memory (15) is loaded into the operating memory (21) of the digital signal processor (14) to implement a stable control state, and the sound input signal buffer (23) is cleared to cut a feedback loop in an instant to prevent howling.

FIG. 1



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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	GB-A-2 154 830 (NATIONAL RESEARCH DEVELOPMENT CORP.) * page 3, line 28 - line 81; figure 2 * ---	1-4,7-9	G10K11/16
A	EP-A-0 071 947 (HITACHI LTD) * page 11, line 24 - page 12, line 6; figure 3 * ---	1-9	
A	US-A-5 022 082 (L.J. ERIKSSON) -----		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G10K
Place of search	Date of completion of the search	Examiner	
THE HAGUE	27 SEPTEMBER 1993	SWARTJES H.M.	
CATEGORY OF CITED DOCUMENTS		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	
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			