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(54) **Multipoint adaptive equalization control method and multipoint adaptive equalization control system**

(57) Provided are a multipoint adaptive equalization control method and system for performing adaptive equalization control on sound detected at a plurality of control points in a car cabin. An inverse phase characteristic opposite to a phase characteristic from a speaker to a main control point is applied to an audio signal output from an audio source. Error signals respectively indicating the differences between detection signals, corre-

sponding to a detected sound signal output from the speaker, in the respective control points and target signals for the control points are output. A gain of an audio signal is determined by performing adaptive signal processing so that the sum of powers of the input error signals is minimized. The inverse phase characteristic and the gain are applied to an audio signal and the resultant audio signal is supplied to the speaker.

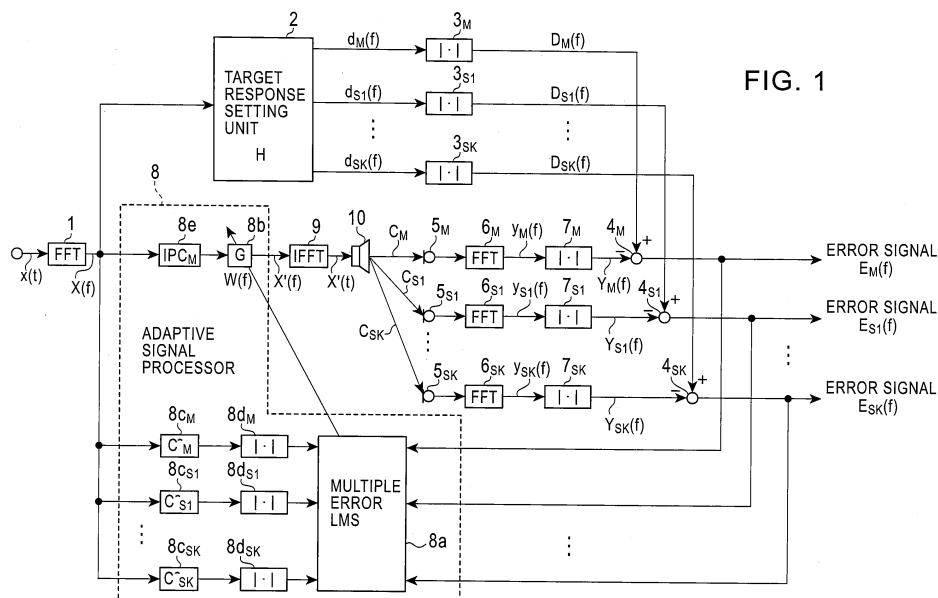


FIG. 1



EUROPEAN SEARCH REPORT

Application Number
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC) H04S H04R
Place of search Munich		Date of completion of the search 7 October 2013	Examiner Guillaume, Mathieu
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	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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