

ABSTRACT

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**AMPLIFIER CIRCUIT EMPLOYING
FLOATING ERROR CANCELLATION**

The present amplifier circuit employing floating error-cancellation
10 technique eradicates errors and distortions by canceling them out at the
speaker terminal. The circuit utilizes reference, main power, and error
suspension amplifiers. The reference amplifier is a small signal amplifier
with unity or near unity gain. The main function of the buffer amplifier is to
provide a reference signal to be used to isolate the error signal. The main
15 power amplifier is an inverting power amplifier without negative feedback,
and whose main function is amplify the audio signal. The error suspension
amplifier is a non-inverting power amplifier whose function is amplify the
isolated error signal and provide an error potential to a speaker terminal so
that the error can be canceled out at the speaker load.

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FIG. 1



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