

Title (en)

Signal processing system for use with an audio reproduction system.

Title (de)

Signalverarbeitungssystem für ein Tonwiedergabesystem.

Title (fr)

Système de traitement de signal pour un système de reproduction audio.

Publication

EP 0410157 A2 19910130 (EN)

Application

EP 90112338 A 19840530

Priority

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- US 50097283 A 19830603

Abstract (en)

A signal processing system for use with an audio reproduction system comprises a pair of input terminals for respectively receiving a pair of stereophonic audio input signals, a pair of output terminals for respectively providing a pair of stereophonic audio output signals and a pair of signal paths for respectively transmitting said two input signals between said input and output terminals. Means (408A, 408B) are coupled to each of said input terminals (250A, 250B) for detecting the signal energy levels of each of the corresponding input signals. The detected signal energy levels of said audio input signals are compared in means (428) for generating a difference signal in response to and as a function of said comparison. Means (270A, 270B) responsive to said difference signal are coupled between the system input and output terminals (250A, 250B, 278A, 278B) of at least one of said signal paths for varying the signal gain impressed on the input signal transmitted over said at least one path as a function of said difference signal so that said signal energy levels of said output signals are substantially balanced over relatively long periods of time.

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