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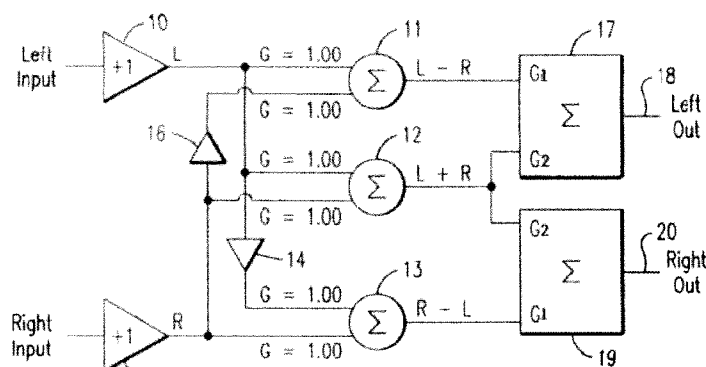


FIG. 5

(57) **Abstract:** The present invention relates to an apparatus and method for redeeming otherwise closed and concealed information contained in audio signals. An active circuit balances the ratio between in-phase and out-of-phase signals through the application of sum and difference signals and adjusts the ratio of gain in stereophonic signals as well as in monophonic and multichannel signal applications. This includes both the primary reference signal, and a plurality of redundant duplicate signals, substantially identical in all respects to the primary reference signal except in relation to magnitude and phase, for the purpose of unfolding, or opening the audio signal content. A pair of output signal levels approximates the golden ratio where the golden ratio is one plus the square root of five divided by two which gives an irrational number 1.618.