

Title (en)  
OSCILLATION SUPPRESSION

Title (de)  
OSZILLATIONS-UNTERDRÜCKUNG

Title (fr)  
SUPPRESSION D'OSCILLATION

Publication  
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Application  
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Abstract (en)  
[origin: WO2004105430A1] The invention relates to oscillation suppression and, more particularly, concerns a method and apparatus for suppressing oscillation in a signal identified as or suspected of containing an oscillation due to feedback. The method involves converting the signal into frequency bands in the frequency domain, applying, for a selected period of time, a randomly changing phase to the signal in at least one of said frequency bands, and reconvertng the converted signal into an output wave form signal. The selected period is divided into a series of successive time windows, and for each successive time window a newly generated random or pseudo-random phase is applied to the signal. The method can be used in combination with a method for detecting oscillation in said signal in each of the frequency bands, a randomly changing phase applied in each frequency band for which said oscillation has been detected. The invention has particular application in hearing aid devices.

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