

Title (en)
OSCILLATION SUPPRESSION

Title (de)
OSZILLATIONS-UNTERDRÜCKUNG

Title (fr)
SUPPRESSION D'OSCILLATION

Publication
EP 1629691 A1 20060301 (EN)

Application
EP 04734786 A 20040526

Priority
• AU 2004000702 W 20040526
• AU 2003902587 A 20030526
• US 44546303 A 20030527

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.

IPC 1-7
H04R 25/00

IPC 8 full level
H04R 3/00 (2006.01); **H04R 3/02** (2006.01); **H04R 25/00** (2006.01)

CPC (source: EP)
H04R 3/002 (2013.01); **H04R 3/02** (2013.01); **H04R 25/453** (2013.01)

Citation (search report)
See references of WO 2004105430A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004105430 A1 20041202; EP 1629691 A1 20060301

DOCDB simple family (application)
AU 2004000702 W 20040526; EP 04734786 A 20040526