

Title (en)

APPARATUS AND METHODS FOR ENHANCING ELECTRONIC AUDIO SIGNALS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR MODIFIZIERUNG VON AUDIOSIGNALEN

Title (fr)

APPAREIL ET PROCEDES PERMETTANT D'AMELIORER DES SIGNAUX AUDIO ELECTRONIQUES

Publication

EP 1038350 A4 20010404 (EN)

Application

EP 98963879 A 19981211

Priority

- US 9826430 W 19981211
- US 98937397 A 19971212

Abstract (en)

[origin: WO9930414A1] The present invention is a method and apparatus for simply and inexpensively enhancing an electronic audio signal in such a way that the quality of audible sound produced from the audio signal more closely approaches that of the original sound heard live in an acoustically designed environment. The present invention restores the perception of harmonics that are normally missing in an electronic audio signal. The apparatus comprises a passive circuit (5) that causes an input audio signal (S) to be distorted such that an enhanced audio signal is produced that exhibits an improved harmonic quality compared to that of the original input audio signal (S). The passive circuit comprises at least one transformer (5).

IPC 1-7

H03G 3/00; G10H 1/12

IPC 8 full level

G10H 1/12 (2006.01); **G11B 20/10** (2006.01); **H01F 19/02** (2006.01); **H03G 5/02** (2006.01); **H04R 3/04** (2006.01)

CPC (source: EP KR)

G10H 1/12 (2013.01 - EP KR); **H01F 19/02** (2013.01 - KR); **H03G 5/02** (2013.01 - KR); **H04R 3/04** (2013.01 - KR); **G10H 2240/251** (2013.01 - EP KR)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 9930414A1

Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

WO 9930414 A1 19990617; AU 1911599 A 19990628; CA 2313695 A1 19990617; CN 1284214 A 20010214; EP 1038350 A1 20000927; EP 1038350 A4 20010404; JP 2001526482 A 20011218; KR 20010033068 A 20010425

DOCDB simple family (application)

US 9826430 W 19981211; AU 1911599 A 19981211; CA 2313695 A 19981211; CN 98813237 A 19981211; EP 98963879 A 19981211; JP 2000524859 A 19981211; KR 20007006429 A 20000612