

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
23 February 2006 (23.02.2006)

PCT

(10) International Publication Number
WO 2006/020427 A3

(51) International Patent Classification:
H03G 5/00 (2006.01) *H03G 7/00* (2006.01)

(21) International Application Number:
PCT/US2005/026925

(22) International Filing Date: 1 August 2005 (01.08.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/914,234 10 August 2004 (10.08.2004) US
10/922,107 20 August 2004 (20.08.2004) US

(71) Applicant and

(72) Inventor: **BONGIOVI, Anthony** [US/US]; 649 Whitmore Drive, Port St. Lucie, FL 34984 (US).

(74) Agents: **PELTO, Don** et al.; PRESTON GATES ELLIS & ROUVELAS MEEDS LLP, 1735 New York Avenue, Suite 500, Washington, DC 20006 (US).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,

GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

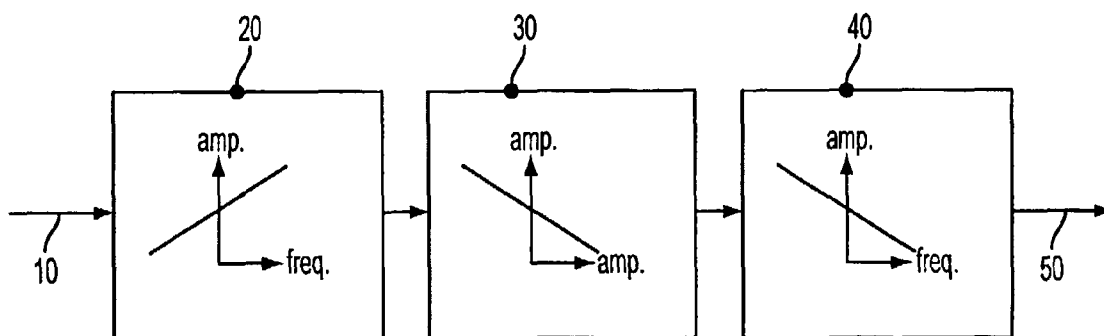
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
4 May 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM FOR AND METHOD OF AUDIO SIGNAL PROCESSING FOR PRESENTATION IN A HIGH-NOISE ENVIRONMENT



(57) Abstract: The present invention relates to novel systems, methods, and circuits useful for achieving quality sound presentation in high-noise environments. Specifically, the present invention provides systems, methods, and circuits for processing audio signals. The present invention further provides methods for hard-programming adjustments into a multi-band equalizer that compensates for anomalies associated with an anticipated listening environment.

WO 2006/020427 A3