

1) Family number: 52666343 (US2014221816A)

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Title: MAGNETIC RESONANCE IMAGING OF BONE TISSUE

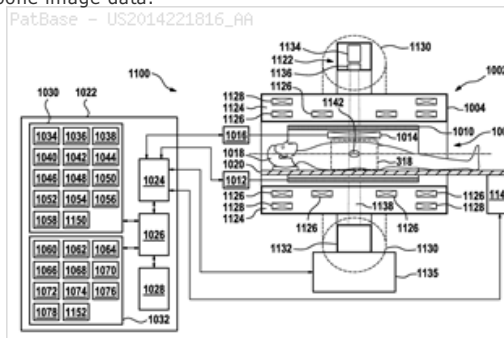
Abstract: A medical apparatus includes a magnetic resonance imaging system for acquiring magnetic resonance data from an imaging volume, a processor for controlling the medical apparatus, and a memory containing machine executable instructions and a pulse sequence. The magnetic resonance data acquired using the pulse sequence comprises free induction decay data and multiple gradient echo data. Execution of the instructions causes the processor to acquire the magnetic resonance data using the magnetic resonance imaging system in accordance with the pulse sequence, and reconstruct an in-phase image, a fat-saturated image, a water-saturated image, and an ultra-short echo time image from the magnetic resonance data, wherein the ultra-short echo time image comprises bone image data.

Classifications:

International (IPC 8-9): A61B5/055 A61B6/00 A61B6/04 A61B8/08 A61N5/00 A61N5/10 G01R33/48 G01R33/56 G01R33/561 G06F G06T9/00 G10L19/00 G10L19/008 G10L21/0364 H04R H04R27/00 H04R3/00 H04R3/02 H04R5/02 H04S H04S3/00 H04S5/00 H04S7/00 (Advanced/Invention); A61B6/03 (Advanced/Non-invention); H04S (Subclass/Invention)

CPC: A61N5/1039 G01R33/5608 G01R33/4808 A61B6/037 A61B6/4417 A61B8/0875 A61B8/5261 A61N2005/1052 A61N2005/1055 A61N2005/1062 G01R33/481 G01R33/4816 G01R33/4828 G01R33/5616 G10L21/0364 G06F3/165 G06T9/00 H04R3/005 H04S3/006 H04R27/00 H04S3/008 H04S5/00 H04S7/30 H04S7/308 H04S2400/03 H04S2400/11 H04S2420/01 H04S2420/03 H04S2420/11 H04S2420/13 H04S3/00 H04S7/00 G10L19/008 G10L19/20 H04R5/02 H04R5/04 H04S5/005 H04S7/302 H04S7/305 H04S2400/01 H04S7/40 H04R3/00 H04S7/307

US: 600/1 600/410 600/411



WO2012IB53050	20120618	US20120126979	20120618	AU20120279349	20120627
AU20120279357	20120627	CA20122837894	20120627	JP20170131759	20120627
WO2012US44363	20120627	WO2012US44388	20120627	JP20190028442	20120627
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AU20190204012	20190607				

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT HW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

2) Family number: 66525390 (WO17132594A3)

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Title: MULTI-CHANNEL AMPLIFIER WITH CONTINUOUS CLASS-D MODULATOR AND EMBEDDED PLD AND RESONANT FREQUENCY DETECTOR

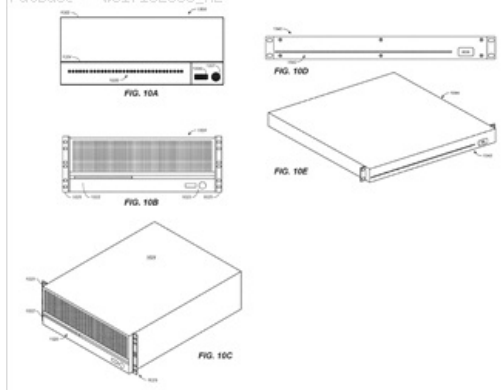
Abstract: A continuous time Class-D modulator with an embedded programmable logic device in a forward path. The FPGA is configured to provide synchronization control by deriving a synchronization clock for the modulator and monitoring a 1-bit PWM signal for sync-lock status; monitoring the PWM duty cycle to detect overage conditions and lowering audio levels to eliminate hard-clipping events; implementing dead-band timing for subsequent output stages; dynamically controlling the net loop delay seen by the 1-bit PWM using programmable delay lines; monitoring amplifier output conditions to provide comparison with the 1-bit PWM or determine load characteristics; monitoring a front-end integrator to trim for optimal distortion (THD+N). An output circuit of an audio amplifier having an analog filter stage comprising an inductor/capacitor (LC) circuit, a physical connector for connecting a speaker, a tuned resonant circuit configured to provide a low-impedance load for the output circuit in the event of an open load on the output circuit by providing damping of a natural resonance of the LC circuit or of high-frequency oscillations in the output circuit, and a resonant frequency detection coupled to the output of the LCR circuit to detect one of a natural resonance oscillation or the high- frequency oscillation condition. The tuned resonant circuit provides modulation control to a closed-loop Class D amplifier with feedback after the output filter.

Classifications:

International (IPC 8-9): H02M H03F H03F1/30 H03F3/181 H03F3/183 H03F3/217 H03F3/45 H03F3/68 H03G H03G3/30 H04R H04R5/00 H04R5/04 H04S H05B (Advanced/Invention); H02M1/00 H02M1/42 H03F3/68 H04R29/00 H04S7/00 (Advanced/Non-invention)

CPC: H03F1/301 H03F3/183 H03F3/2173 H03F3/45475 H03F3/68 H03F2200/03 H03F2200/447 H03F2200/468 H03F2203/45512 H03F2203/45522 H03F2203/45528 H03G3/3005 H03G2201/208 H03G2201/708 H04R5/04 H04R29/007 H04R2420/05 H04R2430/01 H04S7/308 H02M1/32 H02M1/4225 H02M1/4241 H02M2001/007 H02M2001/325 H03G3/007 H05B37/029

PatBase - WO17132583_A2



Family:

Publication number	Publication date	Application number	Application date
■ CN108604887 A	20180928	CN201780008734	20170127
■ CN108605183 A	20180928	CN201780008919	20170127
■ EP3408936 A2	20181205	EP20170703640	20170127
■ EP3409026 A2	20181205	EP20170703639	20170127
■ HK1259352 A1	20191129	HK20190101718	20190131
■ HK1259402 A1	20191129	HK20190101771	20190131
■ IN201847028214 A	20180803	IN201847028214	20180726
■ WO17132583 A2	20170803	WO2017US15459	20170127
■ WO17132583 A3	20170921	WO2017US15459	20170127
■ WO17132594 A2	20170803	WO2017US15476	20170127
■ WO17132594 A3	20170928	WO2017US15476	20170127

Priority:

EP20160153471	20160129	US20160289037P	20160129	US20160429662P	20161202
US20160429682P	20161202	US20170450543P	20170125	WO2017US15459	20170127
WO2017US15476	20170127				

Probable Assignee: DOLBY LABORATORIES LICENSING CORP

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Inventor(s): TRAVERSO M

Agent(s): DOLBY INT AB PATENT GROUP EUROPE; LI WING HONG; DUNCAN DENNIS JOHN ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

3) Family number: 54140831 (US2013163787A)

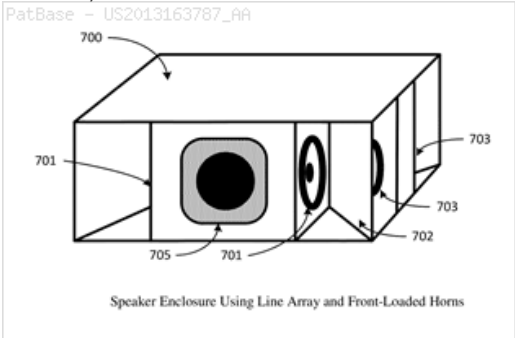
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Title: ELECTRONICALLY ORBITED SPEAKER SYSTEM

Abstract: Exemplary embodiments are directed to a sound modification system and loud speaker system. The system may impose amplitude and frequency modulation on to a signal representing the output of an electrical musical instrument or other sound source while also imposing a sense of movement of the sound to the listener. Further, the system may simultaneously amplify sound signals without the amplitude, frequency and spatial sense of modulation or a different sense of modulation. The system combines a plurality of speaker transducers, a plurality of amplifiers and digital signal processors to provide a flexible, portable and practical sound modification and amplification system.

Classifications:

International (IPC 8-9): G10B3/16 G10H1/043 H03F3/187 H03F3/68 H03F99/00 H04R1/32 H04R1/34 H04R3/00 H04R3/12 H04R3/14 H04R5/02 (Advanced/Invention)
CPC: H03F3/68 H03F3/187 H03F2200/03 H04R2201/401
US: 381/120



Family:

Publication number	Publication date	Application number	Application date
GB201407874 A0	20140618	GB20140007874	20121028
GB2511441 A1	20140903	GB20140007874	20121028
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KR20140084192 A	20140704	KR20147012984	20121028
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WO13095774 A1	20130627	WO2012US62339	20121028

Priority:

US20110336970 20111223 WO2012US62339 20121028

Probable Assignee: MOON AMPLIFICATION INC

Assignee(s): (std): MOON AMPLIFICATION INC ; MOON NANCY D ; MOON NANCY DIANE

Assignee(s): NANCY DIANE MOON

Inventor(s): (std): MOON NANCY DIANE

Inventor(s): NANCY DIANE MOON

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

4) Family number: 32304892 (US2002103864A)

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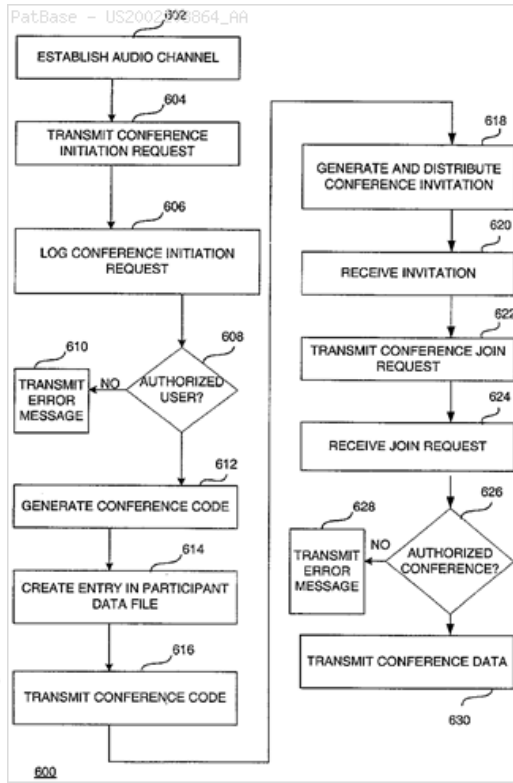
Title: SYSTEM AND METHOD FOR COORDINATING A CONFERENCE USING A DEDICATED SERVER

Abstract: A system and method are described for initiating and conducting a data conference between a plurality of conference endpoints linked in communication by a private or public computer network. A first conference endpoint then sends a conference initialization request to a dedicated conference server coupled to the computer network. Upon receipt of the conference initialization request, the conference server responsively generates a conference code uniquely identifying the conference and transmits the code to the first conference endpoint. The first conference endpoint subsequently converts the received conference code to a form (such as a string DTMF tone) which can be transmitted by in-band audio to other conference endpoints. The other participating conferencing endpoints, after receipt of the conference code, are configured to log on to the conference server using the conference code.

Classifications:

International (IPC 8-9): G06F13/10 G06F15/16 G06F17/30 G06F9/46 H04B1/38 H04B1/40 H04J H04J7/00 H04L H04L12/16 H04L12/18 H04L12/28 H04L12/56 H04L12/64 H04L12/66 H04L27/34 H04L29/12 H04M H04M1/00 H04M1/60 H04M11/00 H04M11/06 H04M3/42 H04M3/56 H04M7/00 H04M9/00 H04M9/08 H04N H04N7/14 H04N7/15 H04Q11/00 H04Q7/00 H04R1/02 H04W4/00 (Advanced/Invention); H04L12/28 H04L29/06 H04M3/56 H04M7/00 H04M9/00 H04W88/02 (Advanced/Non-invention);

G06F13/10 H04L12/16 H04L12/18 H04L12/28 H04L12/56 H04L12/66
H04M11/00 H04M3/42 H04M3/56 H04M7/00 H04N7/14 H04N7/15
H04Q11/00 (Core/Invention);
H04L12/28 H04M7/00 (Core/Non-invention)
International (IPC 1-7): G06F G06F1/00 G06F15/16 H04B1/38
H04H1/00 H04J3/16 H04J3/22 H04L12/16 H04L12/28 H04L12/64
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CPC: H04M1/6025 H04M3/42127 H04M7/12 H04M11/062
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H04L29/12207 H04M7/0027 H04N7/147 H04Q2213/13034
H04Q2213/13405 H04L65/4038 H04L61/20 H04W88/02 H04M7/1295
H04M3/56 G08C17/02 H04L12/282 H04L2012/2841 H04L2012/285
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H04L12/1827 H04L12/66 H04M3/567 H04M3/568 H04M7/0057
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348/E7.081 348/E7.082 348/E7.083 348/E7.079S 348/E7.081S
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370/27 370/270 370/270S 370/329 370/401 370/468 370/468S
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Probable Assignee: POLYCOM INC**Assignee(s):** (std): BINFORD DON ; DRELL DAVID ; GOLDFARB GREGORY L ; HESS MICHAEL J ; KILDAY CAROLYN ; POLYCOM INC ; NIMRI ALAIN ; RATCLIFF JEFF ; PEARSON GIL ; NIR EYAL ; RODMAN JEFFREY ; VANDER KAM RICK A ; SEXTON MARTIN G ; RODMAN JEFFREY C**Assignee(s):** VIVU INC ; WELLS FARGO BANK NATIONAL ASSOCIATION ; POLYCOMINC ; MACQUARIE CAPITAL FUNDING LLC COLLATERAL AGENT AS ; POLYCOM INC 1565 BARBER LANE MILPITAS CA 95035 UNITED STATES UNITED ; POLYCOM INC 4750 WILLOW ROAD PLEASANTON CALIFORNIA 94588 2708 ; POLYCOM INC PLEASANTON CALIFORNIA 94588 UNITED STATES UNITED STATES OF ; MORGAN STANLEY SENIOR FUNDING INC**Inventor(s):** (std): VANDER KAM RICK A ; NIR EYAL ; SEXTON MARTIN G ; BINFORD DON ; NIMRI ALAIN ; RATCLIFF JEFF ; KILDAY CAROLYN ; HESS MICHAEL J ; RODMAN JEFFREY C GOLDFARB GREG ; JEFFREY RODMAN ; GOLDFARB GREG ; GOLDFARB GREGORY L ; RODMAN JEFFREY C ; DRELL DAVID ; RODMAN JEFFREY ; DAVID DRELL ; PEARSON GIL**Inventor(s):** GOLDFARB GREGORY LLOYD ; VANDER KAM RICK ; SEXTON MARTIN ; HESS MICHAEL ; GOLDFARB GREGORY**Agent(s):** FB RICE PTY LTD; FB RICE; KAECK JUERGEN; KAECK STEFAN; WILLIAMS DAVIS HILL AND CO SUITE 701 7TH FLOOR 6 8 POTTINGER STREET CENTRAL; IT AND T INT PATENT AND TRADEMARK AGENT 9 F CLI BUILDING 313 LTD; IT AND T INT PATENT AND TRADEMARK AGENT LTD; CHINAHONGKONG PATENT LTD; WONG CABELLO LUTSCH RUTHERFORD AND BRUCCULERI PC; WONG CABELLO LUTSCH RUTHERFORD AND BRUCCULERI LLP; WONG CABELLO LUTSCH RUTHERFORD AND BRUCCULERI LLC**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW**5) Family number: 52732937 (US2014119551A)**

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Title: AUDIO PLAYBACK SYSTEM MONITORING

Abstract: In some embodiments, a method for monitoring speakers within an audio playback system (e.g., movie theater) environment. In typical embodiments, the monitoring method assumes that initial characteristics of the speakers (e.g., a room response for each of the speakers) have been determined at an initial time, and relies on one or more microphones positioned in the environment to perform a status check on each of the speakers to identify whether a change to at least one characteristic of any of the speakers has occurred since the initial time. In other embodiments, the method processes data indicative of output of a microphone to monitor audience reaction to an audiovisual program. Other aspects include a system configured (e.g., programmed) to perform any embodiment of the inventive method, and a computer readable medium (e.g., a disc) which stores code for implementing any embodiment of the inventive method.

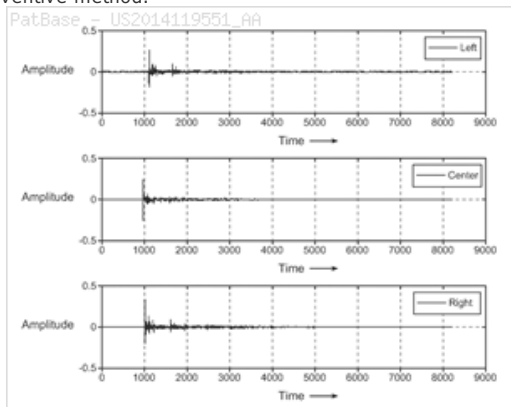
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International (IPC 8-9): G03B31/00 G06F17/30 G06F3/16 G06T9/00 G10L19/00 G10L19/008 G10L19/02 G10L19/14 G10L19/20 G10L19/24 G10L21/0364 H03M7/30 H04H60/04 H04H60/33 H04N21/233 H04N21/43 H04N21/439 H04N21/44 H04N21/854 H04N21/8547 H04N5/04 H04N5/60 H04N9/475 H04R H04R1/40 H04R27/00 H04R29/00 H04R3/00 H04R3/04 H04R3/12 H04R5/00 H04R5/02 H04R5/04 H04S H04S3/00 H04S5/00 H04S5/02 H04S7/00 (Advanced/Invention); H04N21/8547 H04R27/00 H04S5/00 (Advanced/Non-invention); H04S3/00 H04S7/00 (Core/Invention); H04R H04S (Subclass/Invention)

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US: 1/1 348/515 352/12 381/103 381/123 381/17 381/300 381/303 381/56 381/59 700/94 704/500

**Family:**

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Probable Assignee: DOLBY LABORATORIES LICENSING CORP

Assignee(s): (std): DOLBI LABORATORIS LAJSENZIN KORPOREJSHN ; DOLBY LABORATOIRES LCENSNG CORP ; DOLBY LABORATIES LICENSING CORP ; SCHARPF JURGEN W ; TSINGOS NICOLAS R ; ROBINSON CHARLES Q ; THAYER BRAD ; GROSSMAN ETHAN A ; MEHTA SRIPAL S ; NEARY JOHN ; MARTINEZ SERGIO ; VINTON MARK S ; FIELDER LOUIS D ; ROCKWELL MICHAEL ; FIELDER LOUISE D ; BHARITKAR SUNIL ; BULLOCK DEAN ; CHABANNE CHRISTOPHE ; CROCKETT BRETT G ; DAVIS MARK F ; DOLBY LABORATORIES LICENSING CORP ; DOLBY LAB LICENSING CORP ; DOLBY LAB LICENSING CORPORATION ; DOLBY LABORATORIES INC ; DOLY LAB LICENSING CORP

Assignee(s): DOLBY LABORATORIES LICENSING CORP SAN FRANCISCO ; DOLBY LABORATORIES LICENSING SAN FRANCISCO CORP ; DOLBY LABORATORIES LICENSING CORPORATION ; DOLY LABORATORIES LICENSING CORP

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