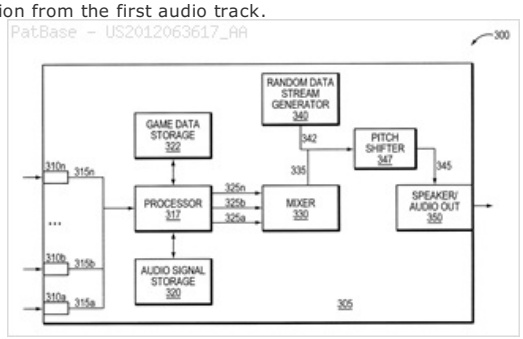
1) Family number: 50783004 (US2012063617A)

Title: PREVENTING SUBTRACTIVE TRACK SEPARATION

Abstract: Disclosed are techniques for preventing extraction of original audio tracks from a song. The techniques are executed on a game platform and involve providing a first and second audio track representing parts of a musical composition, mixing the first audio track and the second audio track to provide a mixed audio track, generating an audio modification data comprising a series of substantially random audio modifiers, and then modifying, before playback, the mixed audio track based on the audio modification data to provide a modified mixed audio track, such that subtracting the second audio track from the modified mixed audio track produces a third audio track with an audibly detectable deviation from the first audio track.

Classifications:
International (IPC 8-9): G10H1/36 G10H7/00 G11B20/00 G11B20/10 H04B1/00 (Advanced/Invention)
CPC: G11B20/00826 G11B20/10527 G11B2020/10555
European: G11B20/00P11C1 G11B20/10C S11B20/10C1A1
US: 381/119 381/119P 726/26 84/610



Family:

Publication number	Publication date	Application number	Application date
US2012063617 AA	20120315	US20100878863	20100909
US9024166 BB	20150505	US20100878863	20100909

Priority:

US20100878863 20100909

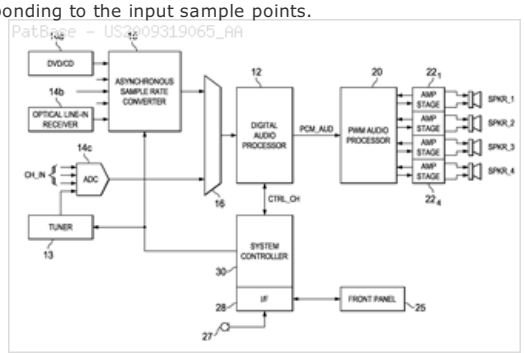
Probable Assignee:	HARMONIX MUSIC SYSTEMS INC
Assignee(s): (std):	HARMONIX MUSIC SYSTEMS INC ; RAMOS AURELIO R
Assignee(s):	COLBECK PARTNERS II LLC ADMINISTRATIVE AGENT AS
Inventor(s): (std):	RAMOS AURELIO R
Agent(s):	WILMER CUTLER PICKERING HALE AND DORR LLP

2) Family number: 44150008 (US2009319065A)

Title: EFFICIENT ASYNCHRONOUS SAMPLE RATE CONVERSION

Abstract: Asynchronous sample rate conversion for use in a digital audio receiver is disclosed. Different algorithms are applied for the upsampling and downsampling cases. In the upsampling case, the input signal is upsampled and filtered, before the application of a finite impulse response (FIR) filter. In the downsampling case, the input signal is filtered by an FIR filter, and then filtered and downsampled. The FIR coefficients of the fractional delay FIR filter are calculated by evaluation of polynomial expressions over intervals of the filter impulse response, at times corresponding to the input sample points.

Classifications:
International (IPC 8-9): G06F17/00 H03M7/00 (Advanced/Invention); G06F17/00 H03M7/00 (Core/Invention)
CPC: G11B20/10527 H03H17/0628
US: 341/61 341/61S 700/94 700/94P



Family:

Publication number	Publication date	Application number	Application date
US2009319065 AA	20091224	US20090397521	20090304
US8369973 BB	20130205	US20090397521	20090304

Priority:

US20080074100P 20080619 US20090397521 20090304

Probable Assignee: TEXAS INSTRUMENTS INC

Assignee(s): (std)**:** RISBO LARS ; TEXAS INSTRUMENTS INC

Inventor(s): (std)**:** RISBO LARS

Agent(s): TEXAS INSTRUMENTS INC; ALAN A R; WADE J; FREDERICK J

3) Family number: 54630047 (US2013222273A)

Title: SYSTEMS AND METHODS FOR PRESENTING VISUAL INTERFACE CONTENT

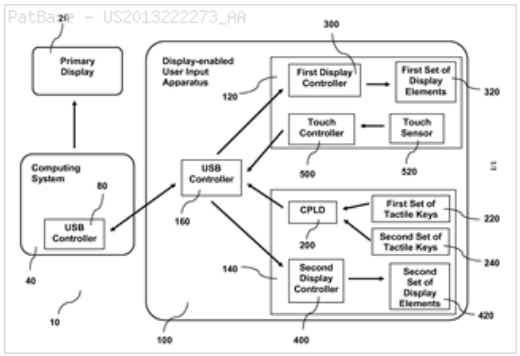
Abstract: A method for presenting visual interface content comprising adjunct visual interface content during application program execution, and the adjunct visual interface content provides visual information associated with application program execution. The method comprising displaying the adjunct visual interface content using a first interface, displaying the adjunct visual interface content using a second interface, and displaying the updated adjunct visual interface content on the at least one of the first and second interfaces based on actuation of the first and second interfaces.

Classifications:

International (IPC 8-9): A63F13/53 G06F1/16 G06F3/02 G06F3/041 G06F3/048 G06F3/0481 G06F3/0487 G06F3/14 G09G3/36 G09G5/00 (Advanced/Invention);
A63F13/26 (Advanced/Non-invention)

CPC: A63F13/26 A63F2300/1043 A63F2300/301 G06F1/1626 G06F1/1643

US: 345/156 345/173 345/87



Family:

Publication number	Publication date	Application number	Application date
AU2013226573 AA	20130906	AU20130226573	20130221
AU2013226573 BB	20180222	AU20130226573	20130221
CN104254831 A	20141231	CN201380022183	20130221
CN104254831 B	20180227	CN201380022183	20130221
DE602013040832 D1	20180823	DE201360040832T	20130221
EP2820528 A1	20150107	EP20130755431	20130221
EP2820528 A4	20151007	EP20130755431	20130221
EP2820528 B1	20180725	EP20130755431	20130221
SG11201404579S A1	20140828	SG20141104579	20130221
TW201337711 A	20130916	TW20130106905	20130227
TWI536246 B	20160601	TW20130106905	20130227
US2013222273 AA	20130829	US20120407713	20120228
US9817442 BB	20171114	US20120407713	20120228
WO13130014 A1	20130906	WO2013SG00067	20130221

Priority:

US20120407713 20120228 EP20130755431 20130221 WO2013SG00067 20130221

Probable Assignee: RAZER ASIA PACIFIC PTE LTD

Assignee(s): (std)**:** RAZER ASIA PACIFIC PTE LTD ; TAN MIN LIANG

Inventor(s): (std)**:** TAN MIN LIANG

Agent(s): PIZZEYS PATENT AND TRADE MARK ATTORNEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; VIERING JENTSCHURA AND PARTNER MBB PATENT U RECHTSANWAELTE; VIERING JENTSCHURA AND PARTNER PATENT U RECHTSANWAELTE; POLSINELLI PC; FUN JUSTIN

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: 76690051 (US2019362739A)

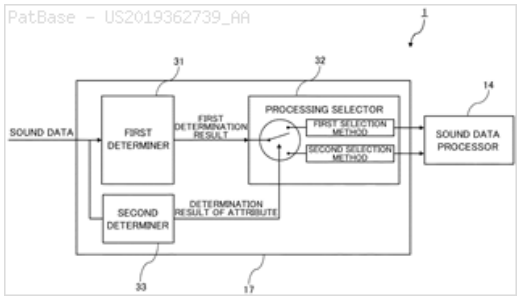
Title: DATA PROCESSING DEVICE AND DATA PROCESSING METHOD

Abstract: A data processing device includes: a digital signal processor; at least one processor; and at least one memory device configured to store a plurality of instructions, which when executed by the at least one processor, cause the at least one processor to operate to: output a first determination result relating to a scene of content through use of sound data; select processing for the sound data by a first selection method based on the first determination result; determine an attribute of the content from among a plurality of attribute candidates; and select the processing by a second selection method, which is different from the first selection method, based on a determination result of the attribute, wherein the digital signal processor is configured to execute the processing selected by the at least one processor on the sound data.

Classifications:

International (IPC 8-9): G10L25/51 H04N21/439 H04N21/44 H04S5/00

H04S7/00 (Advanced/Invention)
CPC: H04N21/439 H04N21/44008 H04S3/008 H04S7/30 G10L25/51 H04S5/005
JP F-Term: 5D162 5D162/AA14 5D162/BA01 5D162/BA09 5D162/CC23 5D162/CC36 5D162/EG07
JP F-Index: H04S7/00/300



Family:

Publication number	Publication date	Application number	Application date
CN110536225 A	20191203	CN201910439098	20190524
EP3573352 A1	20191127	EP20190176451	20190524
JP2019205114 A2	20191128	JP20180100429	20180525
US2019362739 AA	20191128	US20190418164	20190521

Priority:
JP20180100429 20180525

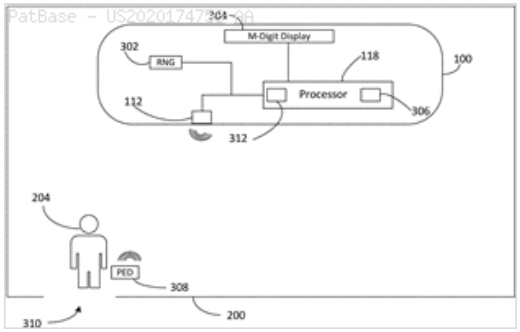
Probable Assignee: YAMAHA CORP
Assignee(s): (std): YAMAHA CORP
Inventor(s): (std): AOKI RYOTARO ; KUMAGAI KUNIHIRO ; YUYAMA YUTA
Agent(s): HOFFMANN EITLE
Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

5) Family number: 79213061 (US2020174753A)

Title: ROLLING SECURITY CODE FOR A NETWORK CONNECTED SOUNDBAR DEVICE

Abstract: Described herein are a method and security enhancing device for a bi-directional communications device, comprising: an M-digit display; a processor; a security software application (security App) adapted to be stored in memory and executed by the processor; an N-digit random number generator adapted to periodically generate a new N-digit random number and transmit the same to the processor and the security App, and wherein the processor is further adapted to transmit the N-digit random number to the display to display the N-digit random number; and a wireless communications transceiver and antenna (wireless communications device) adapted to transmit and receive wireless communications to and from, respectively, one or more personal electronic devices that are adapted to wireless communicate using identical communications protocols as the wireless communications transceiver, and wherein the security App is adapted to receive and store the N-bit digit random number that changes periodically, and wherein the security App is adapted to generate an offer to join the meeting message that is transmitted by the wireless communications transceiver to the one or more personal electronic devices, and wherein the security App is adapted to receive a request to join the meeting message from a first personal electronic device, wherein the request to join the meeting message comprises a field within which a currently displayed N-digit random number can be entered into (request to join N-digit random number), and wherein the security App is further adapted to compare the received request to join N-digit random number to the stored N-digit random number, and if they match, then the security App provides a communication to the processor to allow bi-directional communications with the personal electronic device that transmitted the received N-digit random number.

Classifications:
International (IPC 8-9): G06F7/58 G06Q10/10 G08C23/04 H04L12/18 (Advanced/Invention)
CPC: G06F7/588 G06F7/582 G08C2201/62 H04L12/1818 G08C23/04 G06Q10/1095



Family:

Publication number	Publication date	Application number	Application date
US2020174753 AA	20200604	US20190690339	20191121

Priority:
US20180773709P 20181130

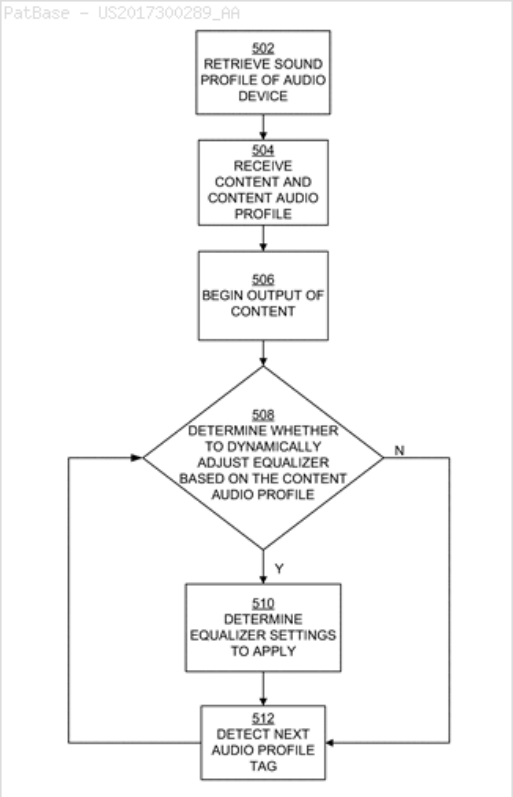
Assignee(s): CRESTRON ELECTRONICS INC
Inventor(s): BINAL EKIN ; HROZENCHIK MARK ; SARRASIN JOSEPH

6) Family number: 67233067 (US2017300289A)

Title: DYNAMIC EQUALIZER

Abstract: Methods, computing devices, and systems that apply equalization settings for particular audio devices based on a content audio profile. A computing device may detect at least one audio device connected to the computing device and request a device sound profile of the at least one audio device from a database remote from the computing device. Computing device may receive the device sound profile of the at least one audio device from the remote database. The computing device may receive content comprising an audio component and a video component and a content audio profile associated with the audio component. The computing device can determine whether to adjust equalizer settings for sound reproduction of the audio component based on the audio profile and the device sound profile of the at least one audio device.

Classifications:
International (IPC 8-9): G06F3/16 G10L19/018
H03G5/00 (Advanced/Invention)
CPC: G06F3/165 G10L19/018
US: 1/1 381/105



Family:

Publication number	Publication date	Application number	Application date
US2017300289 AA	20171019	US20160097970	20160413
US9952827 BB	20180424	US20160097970	20160413

Priority:
US20160097970 20160413

Probable Assignee:	COMCAST CABLE COMMUNICATIONS LLC
Assignee(s): (std):	COMCAST CABLE COMM LLC
Assignee(s):	COMCAST CABLE COMMUNICATIONS LLC
Inventor(s): (std):	GATTIS GALEN TREVOR
Agent(s):	BANNER AND WITCOFF LTD

7) Family number: 30972076 (US2005053252A)

Title: SOUND AND VIBRATION TRANSMISSION PAD AND SYSTEM

Abstract: The present invention is directed to a pad and sound transmission system which is adapted to directly transmit audible sound waves into the body at high intensity levels. In one embodiment, the subject invention includes a back pad and a seat pad. Each pad includes a speaker module having an acoustic speaker disposed within the pad and surrounded by a plurality of different layers.

Classifications:
International (IPC 8-9): A47C A47C1/02 A47C13/00 A47C27/15 A47C3/16 A47C31/00 A47C7/18 A47C7/50 A47C7/62 A47C7/72 A61H A61H1/00 A61H23/00 A61H23/02 A61M A61M21/00 A61M21/02 A61N A61N2/00 A61N2/06 A61N7/00 B06B1/04 G10K15/04 H03G3/00 H04R H04R1/00 H04R1/02 H04R5/02 H04R5/04 H04R9/06 H05K H05K5/00 (Advanced/Invention);
A61N2/00 A61N2/06 (Advanced/Non-invention);
A47C7/62 A47C7/72 A61H23/02 H04R1/00 (Core/Invention);
H04R (Subclass/Invention)
International (IPC 1-7): A61H1/00 A61H23/00 A61H23/02 A61N7/00 G10K15/04 H04R0/00 H04R1/00 H04R1/02 H04R5/02 H04R5/04 H04R9/06 H05K5/00
CPC: H04R1/025 A61H2201/0134 A61H2201/0142 A61H2205/081 A61H2205/108 A61M2021/0022 A61M2021/0027 A61M21/00 A61M21/02 A61M2021/0055 A61H2201/10 A61H2201/1654 A61H2201/5005

A61H2205/086 A61N2/002 A61N2/008 A61N2/06 H04R1/028 A61H1/005 A61H2201/5048 A61H23/0236 A61H2201/0138 A61H2203/0425 A61H2203/0443 A61H2205/062 H04R5/023 H04R5/04 A61H2201/0149
European: A47C13/00M A47C7/50G A47C7/72 A61H23/02F4 H04R5/02B H04R5/04 K61H201/01F10 K61H201/01F10B K61H201/16A22 K61H201/50B K61H203/04E K61H203/04F K61H205/06A
US: 181/144 181/145 181/147 181/150 181/160 297/217.3 297/217.300S 297/217.4 297/217.400P 297/217.5 297/452.37 381/104 381/104S 381/151 381/301 381/301S 381/333 381/333P 381/388 381/388P 381/388S 601/46 601/47 601/47P 601/48 601/49 601/56 601/57 601/58 601/64
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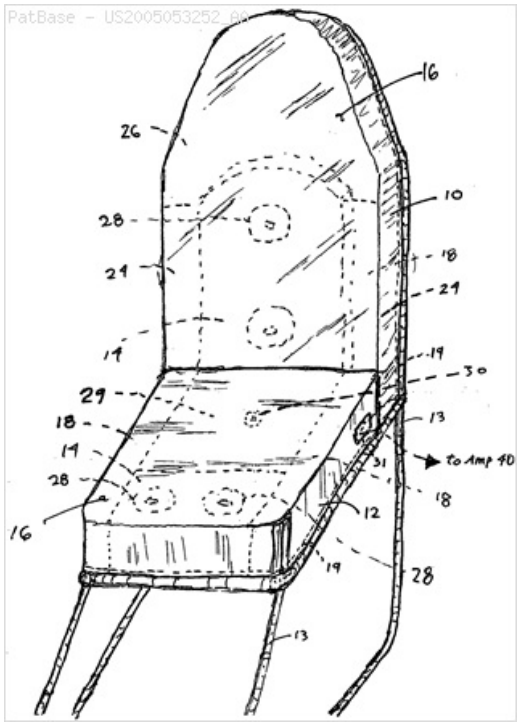
JP F-Index: G10K15/04/302/F A47C27/15/C A47C7/72 B06B1/04/S H04R1/00/310/G A47C1/02 A47C3/16 A47C7/62/Z



Family:

Publication number	Publication date	Application number	Application date
AU2004219094 AA	20040923	AU20040219094	20040310
AU2004219094 BB	20090827	AU20040219094	20040310
AU2004219094 CA	20100610	AU20040219094	20040310
AU2005286977 AA	20060330	AU20050286977	20050915
AU2008335374 AA	20090618	AU20080335374	20081206
CA2518701 AA	20050909	CA20042518701	20040310
CA2580361 AA	20070312	CA20052580361	20050915
CA2580361 C	20131126	CA20052580361	20050915
CA2707978 AA	20090618	CA20082707978	20081206
CA2954482 AA	20170106	CA20142954482	20140703
CN101077040 A	20071121	CN200580035583	20050915
CN101077040 B	20100526	CN200580035583	20050915
CN101836800 A	20100922	CN201010143176	20050915
CN101909490 A	20101208	CN200880124611	20081206
CN101909490 B	20130327	CN200880124611	20081206
CN1926912 A	20070307	CN200480011362	20040310
DE602004042964 D1	20131002	DE200460042964T	20040310
EP1614321 A2	20060111	EP20040719290	20040310
EP1614321 A4	20091216	EP20040719290	20040310
EP1614321 B1	20130807	EP20040719290	20040310
EP1795059 A2	20070613	EP20050798045	20050915
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EP2222205 A4	20130828	EP20080859843	20081206
EP3019135 A1	20160518	EP20140822745	20140703
EP3019135 A4	20160518	EP20140822745	20140703
HK1086432 A1	20060915	HK20060107735	20060711
HK1086432 A3	20060915	HK20060107735	20060711
HK1106915 A1	20080320	HK20070113588	20071213
HK1106915 A3	20080320	HK20070113588	20071213
HK1147660 A1	20110819	HK20110101961	20110228
HK1224548 A1	20170825	HK20160112946	20161110
JP2006524837 T2	20061102	JP20060507053T	20040310
JP2008513138 T2	20080501	JP20070532555T	20050915
JP2011505921 T2	20110303	JP20100537138T	20081206
MX2007003076 A1	20070607	MX20070003076	20050915
MX2010006067 A1	20100930	MX20100006067	20081206
MXPA05009695 A1	20060308	MX2005PA09695	20040310
NZ542420 A	20080328	NZ20040542420	20040310
NZ553785 A	20090531	NZ20050553785	20050915
NZ586320 A	20130222	NZ20080586320	20081206
US2005053252 AA	20050310	US20040943186	20040916
US2006036201 AA	20060216	US20050222608	20050909
US2009250982 AA	20091008	US20090465501	20090513
US2010320819 AA	20101223	US20080746415	20081206
US2012051579 AA	20120301	US20110079812	20110404

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US7553288 BB	20090630	US20040943186	20040916
US7918308 BB	20110405	US20090465501	20090513
US8668045 BB	20140311	US20110079812	20110404
US9949004 BB	20180417	US20130936154	20130706
WO04082325 A2	20040923	WO2004US07354	20040310
WO04082325 A3	20060601	WO2004US07354	20040310
WO06034125 A2	20060330	WO2005US33354	20050915
WO06034125 A3	20061123	WO2005US33354	20050915
WO06034125 C2	20060526	WO2005US33354	20050915
WO09076250 A1	20090618	WO2008US85776	20081206
WO12094607 A1	20120712	WO2012US20503	20120106
WO15006163 A1	20150115	WO2014US45425	20140703

Priority:

US20030453549P 20030310	US20030493645P 20030807	US20030518973P 20031110
EP20040719290 20040310	WO2004US07354 20040310	US20040943186 20040916
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US20090465501 20090513	US20100746415 20100907	US20110430378P 20110106
US20110430392P 20110106	US20110079812 20110404	US20110534770P 20110914
WO2012US20503 20120106	US20130936154 20130706	WO2014US45425 20140703

Probable Assignee: BODYSOUND TECHNOLOGIES INC

Assignee(s): (std): COHEN DANIEL E ; DANIEL COHEN ; DANIEL E COHEN ; LEWIS TODD ; COHEN DAVID ; COHEN DANIEL ; BODYSOUND TECHNOLOGIES INC

Assignee(s): COHEN DANIEL E EDEN PRAIRIE

Inventor(s): (std): DANIEL E COHEN ; TODD LEWIS ; LEWIS TODD ; DAVID COHEN ; DANIEL COHEN ; COHEN DAVID ; COHEN DANIEL ; COHEN DANIEL E

Inventor(s): COHEN DANIEL E EDEN PRAIRIE

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; MACPHERSON LESLIE AND TYERMAN LLP; FURMAN AND KALLIO; MLT AIKINS LLP; OLGEMOELLER LUITGARD DIPL CHEM DRRERNAT; SPENCER MICHAEL DAVID; PEARCE DAVID HENRY; WENPING AND CO; EMILY YIP AND CO; CHIBA AKIO; TOMITA HIROYUKI; KOBAYASHI YASUSHI; SHAMOTO ICHIO; MASUI CHUJI; ONO SHINJIRO; NAKANISHI MOTOHARU; JOHN F KLOS ESQ FULBRIGHT AND JAWORSKI LLP; BRIGGS AND MORGAN PA; AUDREY J; JOHN F; ALEYA R; BABCOCK AUDREY ET AL; BABCOCK AUDREY J ET AL

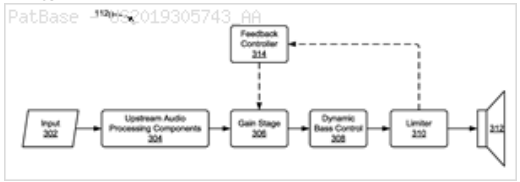
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW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

8) Family number: 76070077 (US2019305743A)

Title: SYSTEMS AND METHODS OF VOLUME LIMITING

Abstract: Systems and methods for limiting volume in an audio playback device using a feedback controller are disclosed herein. In one example, a gain stage modulates gain of an audio signal based in part on feedback from a downstream limiter. The gain stage receives a first audio signal as well as a feedback signal from the feedback controller. Based at least in part on the feedback signal from the feedback controller, the gain stage modulates a gain of the first audio signal to provide a second audio signal. The second audio signal is delivered to the limiter, which limits the second audio signal to produce an output signal. The output signal is played back via a transducer. The feedback controller receives a gain reduction value from the limiter and determines a feedback signal to provide to the gain stage upstream of the limiter.

Classifications:
International (IPC 8-9): H03G11/00 H03G3/30 H03G7/00 H03G9/02 H04R3/00 (Advanced/Invention)
CPC: H03G11/00 H04R3/007 H03G2201/103 H04R2430/01 H03G3/3005 H03G7/002 H03G9/025



Family:

Publication number	Publication date	Application number	Application date
US2019305743 AA	20191003	US20180943064	20180402
WO19195178 A2	20191010	WO2019US25204	20190401
WO19195178 A3	20191121	WO2019US25204	20190401

Priority:

US20180943064 20180402

Probable Assignee: SONOS INC

Assignee(s): (std): SONOS INC

Assignee(s): JPMORGAN CHASE BANK NA

Inventor(s): (std): RAMOS AURELIO

Agent(s): ARMSTRONG JEFFREY P

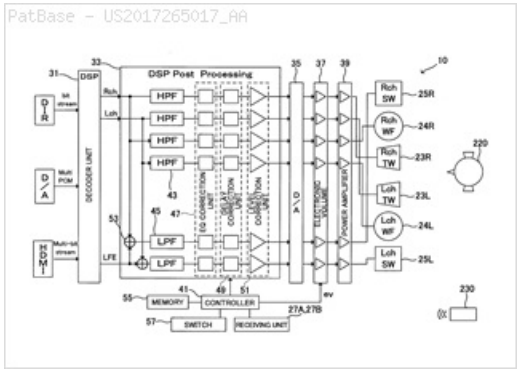
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN 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

9) Family number: 62570110 (US2017265017A)

Title: SPEAKER DEVICE

Abstract: Provided is a speaker device, which includes speaker units having different diameters and sound emission directions, and which is capable of suppressing variations in sound quality at a listening position, which are caused by changing an orientation in which the speaker device is installed. A speaker device has first and second speaker units, which have different diameters and sound emission directions, mounted thereto. A controller is configured to control, depending on the orientation in which the device is installed, an equalizer correction unit to correct frequency characteristics of acoustic signals input to the first and second speaker units so that sound quality is not varied at the listening position depending on the difference in diameter and sound emission direction.

Classifications:
International (IPC 8-9): H04R1/02 H04R1/26 H04R1/34 H04R1/40 H04R3/00 H04R3/04 H04R3/14 H04R5/02 H04R5/04 H04S7/00 (Advanced/Invention)
CPC: H04S7/303 H04R1/025 H04R1/403 H04R2430/01 H04R1/26 H04R3/04 H04R3/14 H04R5/04 H04R3/00 H04R5/02
US: 1/1 381/303
JP F-Term: 5D018 5D018/AC08 5D220 5D220/AA05 5D220/AA14 5D220/AB01
JP F-Index: H04R1/34/310 H04R3/00/310 H04R3/14



Family:

Publication number	Publication date	Application number	Application date
EP3214854 A1	20170906	EP20150864704	20151201
EP3214854 A4	20180523	EP20150864704	20151201
JP2016105564 A2	20160609	JP20140243296	20141201
JP6380060 B2	20180829	JP20140243296	20141201
US2017265017 AA	20170914	US20170609350	20170531
US10075803 BB	20180911	US20170609350	20170531
WO16088745 A1	20160609	WO2015JP83721	20151201

Priority:
JP20140243296 20141201 WO2015JP83721 20151201

Probable Assignee: YAMAHA CORP

Assignee(s): (std): YAMAHA CORP

Inventor(s): (std): KATAYAMA MAKI ; KATAYAMA MASAKI

Agent(s): HOFFMANN EITLE; CROWELL AND MORING LLP; HARUKA PATENT AND TRADEMARK ATTORNEYS

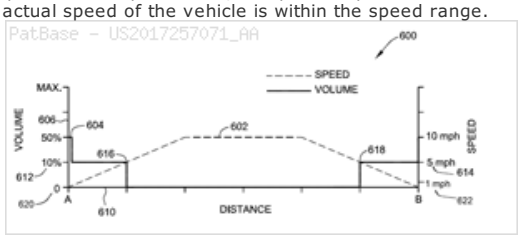
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW 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

10) Family number: 66862119 (US2017257071A)

Title: METHODS AND SYSTEMS FOR CONTROLLING AUDIO OUTPUT OF AN EXTERIOR VEHICLE AUDIO SYSTEM

Abstract: An audio system for a vehicle is described. The audio system includes an audio control computer device and an exterior audio assembly. The audio control computer device is in communication with a memory device. The audio control computer device is configured to store, in the memory device, at least one limited volume level and a corresponding speed range, receive a speed-related parameter indicative of an actual speed of the vehicle from a vehicle control system, determine if the actual speed of the vehicle is within the stored speed range based on the speed-related parameter, and permit operation of the exterior audio assembly at the at least one limited volume level when the actual speed of the vehicle is within the speed range.

Classifications:
International (IPC 8-9): G06F3/16 H03G3/20 (Advanced/Invention)
CPC: H03G3/20 G06F3/165 H04R2499/13 H03G3/3005 H04R5/02 H04R5/04 H04R2420/03
US: 1/1 381/86



Family:

Publication number	Publication date	Application number	Application date
US2017257071 AA	20170907	US20160058517	20160302
US10141903 BB	20181127	US20160058517	20160302

Priority:

US20160058517 20160302

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s): (std)**:** GOEPPNER ANDREW T ; HONDA MOTOR CO LTD

Assignee(s): HONDA MOTOR CO

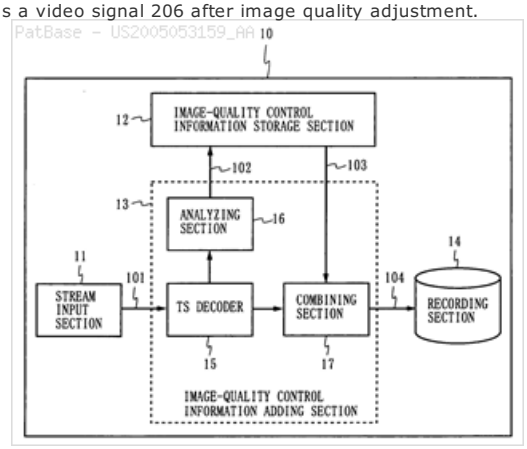
Inventor(s): (std)**:** GOEPPNER ANDREW T

Agent(s): ARMSTRONG TEASDALE LLP

11) Family number: 31728134 (US2005053159A)

Title: VIDEO STREAM PROCESSING APPARATUS AND VIDEO STREAM PROCESSING METHOD

Abstract: An image-quality control information adding section 13 reads image-quality control information corresponding to a type of an input video stream 101 from an image-quality control information storage section 12, and then adds the read image-quality control information to the video stream 101. A recording section 43 records a video stream 104 with the image-quality control information added thereto. An image-quality control information extracting section 22 extracts a video profile 202 from the video stream 201 read from the recording section 43. Based on the video stream after the video profile 202 is extracted, a decoding section 23 obtains a video signal 205. An image quality adjusting section 24 adjusts the characteristic of the video signal 205 based on the video profile 202, and then outputs the adjustment results as a video signal 206 after image quality adjustment.



Classifications:

International (IPC 8-9): G11B20/10 G11B20/12 G11B27/00 H04N17/00 H04N5/00 H04N5/44 H04N5/91 H04N5/92 H04N5/93 H04N9/69 H04N9/82 (Advanced/Invention);
H04N5/202 H04N5/57 H04N5/60 (Advanced/Non-invention);
G11B20/10 G11B20/12 G11B27/00 H04N5/92 H04N5/93 (Core/Invention)

International (IPC 1-7): G11B20/10 G11B20/12 G11B27/00 H04N11/02 H04N11/04 H04N17/00 H04N5/91 H04N5/92 H04N5/93 H04N9/73

CPC: H04N5/202 H04N5/44 H04N5/4401 H04N5/57 H04N5/60 H04N9/69 H04N9/8205 H04N21/4325 H04N21/433 H04N21/44 H04N21/4755

European: H04N21/432P H04N21/433 H04N21/44 H04N21/475P H04N5/44 H04N9/69 H04N9/82N T04N5/202 T04N5/44N T04N5/57 T04N5/60

US: 348/625 348/625S 348/E05.074 348/E05.096 348/E05.108 348/E05.119 348/E05.122 348/E09.054 348/E5.074 348/E5.096 348/E5.108 348/E5.119 348/E5.122 348/E50.74S 348/E50.96S 348/E51.08S 348/E51.19S 348/E51.22S 348/E9.054 348/E90.54S 375/240.26 375/240.260P 386/230 386/248 386/95 386/E09.036 386/E9.036 386/E90.36S

JP F-Term: 5C053 5C053/FA23 5C053/GB06 5C053/GB11 5C053/GB38 5C053/LA06 5C053/LA07 5C055 5D044 5D044/AB05 5D044/AB07 5D044/BC01 5D044/BC04 5D044/CC04 5D044/DE25 5D044/DE49 5D044/EF05 5D044/FG18 5D044/GK08 5D044/GK12 5D110 5D110/AA13 5D110/AA17 5D110/AA19 5D110/AA27 5D110/AA29 5D110/DA04 5D110/DB03 5D110/DC06 5D110/DC16 5D110/DE01

JP F-Index: G11B20/10/301/Z G11B20/12 G11B20/12/103 G11B27/00/D H04N5/92/H H04N5/926/100 H04N5/93/Z H04N9/804/200 H04N9/87

Family:

Publication number	Publication date	Application number	Application date
CN100440959 C	20081203	CN200410077199	20040906
CN1592391 A	20050309	CN200410077199	20040906
EP1513353 A2	20050309	EP20040020853	20040902
EP1513353 A3	20081008	EP20040020853	20040902
JP2005102186 A2	20050414	JP20040250711	20040830
JP4786888 B2	20111005	JP20040250711	20040830
US2005053159 AA	20050310	US20040932082	20040902
US7324738 BB	20080129	US20040932082	20040902

Priority:

JP20030314735 20030905 JP20040250711 20040830

Probable Assignee: SOVEREIGN PEAK VENTURES LLC

Assignee(s): (std)**:** MATSUSHITA ELECTRIC IND CO LTD ; SUGIMOTO KOJI

Assignee(s): PANASONIC CORP ; SOVEREIGN PEAK VENTURES LLC ; MATSUSHITA ELECTRIC INDUSTRIAL CO ; MATSUSHITA ELECTRIC INDUSTRIAL CO LTD ; MATSUSHITA ELECTRIC IND CO

Inventor(s): (std)**:** SUGIMOTO KOJI ; KOJI SUGIMOTO

Agent(s): GASSNER WOLFGANG; WENDEROTH LIND AND PONACK LLP

Designated states: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR

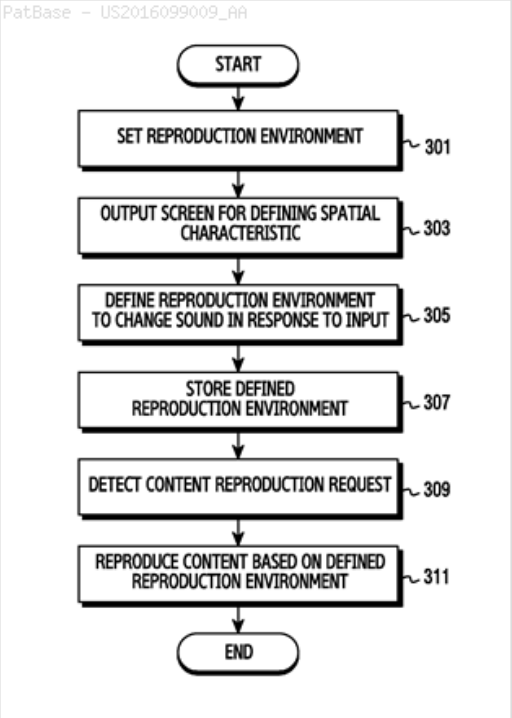
12) Family number: 62057135 (US2016099009A)

Title: METHOD FOR REPRODUCING CONTENTS AND ELECTRONIC DEVICE THEREOF

Abstract: An electronic device for reproducing data and a method thereof are provided. The electronic device includes a memory; and a processor. The processor is configured to determine a spatial characteristic of a space where content is reproduced, store the spatial characteristic in the memory, and change a sound of the content based on the spatial characteristic when the content is reproduced.

Classifications:

International (IPC 8-9): G06F3/048 G10L21/10 G11B20/10 H03G5/16 H04R3/04 H04S5/00 H04S7/00 (Advanced/Invention); H04M1/60 H04M1/725 H04R3/04 (Advanced/Non-invention)
CPC: H04R3/04 H03G5/165 G10H2210/305 G10H2220/106 G10H2220/351 G10H2220/371 G10H2220/376 G10H2220/395 G10H2220/455 G10H2230/015 H04M1/6016 H04M1/7253 H04M1/72558 H04R2499/11 H04S7/305 H04S7/307 H04S7/40 H04S2400/11
US: 381/17



Family:

Publication number	Publication date	Application number	Application date
KR20160039400 A	20160411	KR20140132409	20141001
US2016099009 AA	20160407	US20150872798	20151001
US10148242 BB	20181204	US20150872798	20151001

Priority:

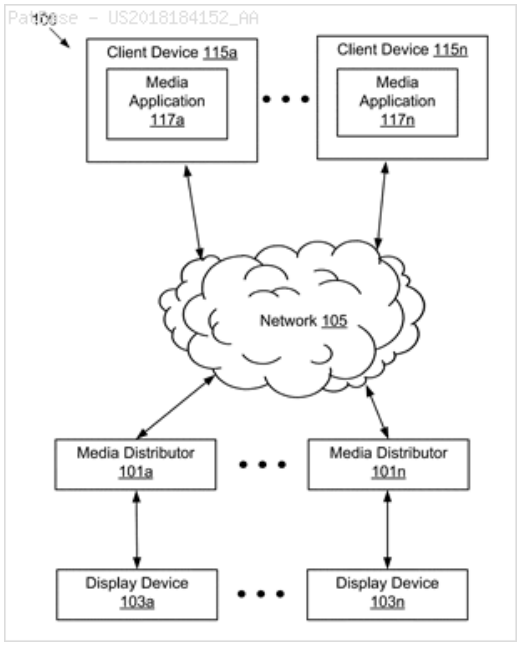
KR20140132409 20141001

Probable Assignee:	SAMSUNG ELECTRONICS CO LTD
Assignee(s): (std):	SAMSUNG ELECTRONICS CO LTD
Assignee(s):	SAMSUNG ELECTRONICS CO
Inventor(s): (std):	KIM JAE HOON
Agent(s):	FARRELL LAW FIRM PC

13) Family number: 70240139 (US2018184152A)

Title: DISTRIBUTED WIRELESS AUDIO AND/OR VIDEO TRANSMISSION

Abstract: Systems and methods for a wireless distributed audio and/or video system are shown and described. In an example embodiment, a method includes receiving an audio feed related to video content, or audio-only content, identifying a first client device from a plurality of client devices connected to a media distributor via a wireless network, and sending the audio feed to the first client device via the wireless network.
Classifications:
International (IPC 8-9): H04N21/41 H04N21/431 H04N21/4363 H04N21/439 H04N21/44 H04N21/6405 H04N7/18 (Advanced/Invention)
CPC: H04N21/422 H04N21/4126 H04N21/4312 H04N21/43635 H04N21/43637 H04N21/439 H04N21/44 H04N21/6405
US: 1/1 725/74



Family:

Publication number	Publication date	Application number	Application date
US2018184152 AA	20180628	US20170851665	20171221
WO18119331 A1	20180628	WO2017US68053	20171221

Priority:

US20160438541P 20161223 US20170551470P 20170829 US20170851665 20171221

Probable Assignee: KIRKPATRICK VITALY M

Assignee(s): (std)**:** KIRKPATRICK VITALY M

Assignee(s): CLOVITEK INC

Inventor(s): (std)**:** FORYS ANDRZEJ ; KIRKPATRICK VITALY ; KIRKPATRICK VITALY M ; FORYS ANDRZEJ K

Agent(s): OGILVIE JOHN

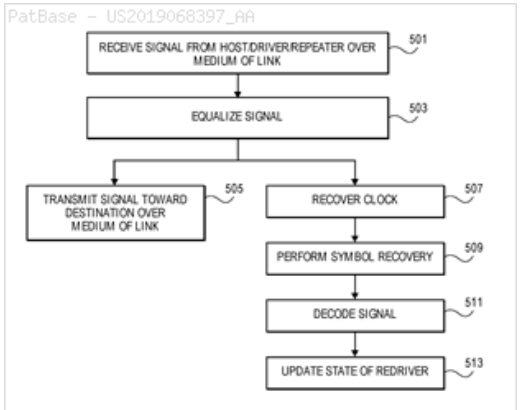
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN 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

14) Family number: 73342171 (US2019068397A)

Title: METHOD AND SYSTEM FOR PROTOCOL AWARE UNIVERSAL SERIAL BUS REDRIVER

Abstract: A method for providing a protocol aware repeater in a link of a communication medium. The repeater receives a signal over the link from a host, driver or repeater connected to the link, equalizes the signal to counteract attenuation of the signal, forwards the signal toward a destination on the link, recovers a clock associated with the signal, performs symbol recovery on the signal, and decodes the signal, where the recovering, symbol recovery and decoding are in parallel with or after the forwarding of the signal.

Classifications:
International (IPC 8-9): H04L12/40 (Advanced/Invention)
CPC: H04L12/40 G06F13/4072
US: 1/1



Family:

Publication number	Publication date	Application number	Application date
US2019068397 AA	20190228	US20170469462	20170324

Priority:

US20170469462 20170324

Probable Assignee: INTEL CORP

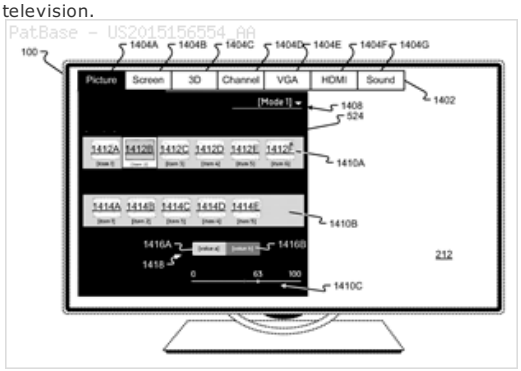
Assignee(s): (std)**:** INTEL CORP

Inventor(s): (std)**:** CHEN HUIMIN

15) Family number: 68954203 (US2015156554A)

Title: ON-SCREEN SETTINGS INTERACTION FOR INTERACTIVE TELEVISION

Abstract: A means for setting a television's settings with a particular value is provided. As the user selects a graphical target associated with a particular setting value, the value is applied and the user is provided with immediate feedback. If the user accepts the setting, they can navigate away from the graphical target or navigate to another target to change the setting to a different value. The setting may be associated with a particular silo of the television.



Classifications:

International (IPC 8-9)**:** G06F3/01 G06F3/0481 G06F3/0488 H04L12/58 H04N17/04 H04N21/258 H04N21/262 H04N21/422 H04N21/43 H04N21/431 H04N21/432 H04N21/433 H04N21/435 H04N21/437 H04N21/439 H04N21/442 H04N21/45 H04N21/462 H04N21/47 H04N21/472 H04N21/475 H04N21/478 H04N21/4788 H04N21/482 H04N21/485 H04N21/488 H04N21/61 H04N21/81 H04N21/8358 H04N21/84 H04N5/44 H04N5/445 H04N5/50 (Advanced/Invention)

CPC: H04N21/485 H04N21/4858 G06F3/017 G06F3/0481 G06F3/04883 H04L51/32 H04N17/04 H04N21/25808 H04N21/26291 H04N21/42204 H04N21/4307 H04N21/4316 H04N21/432 H04N21/433 H04N21/435 H04N21/437 H04N21/4396 H04N21/442 H04N21/44204 H04N21/44213 H04N21/44222 H04N21/4532 H04N21/4622 H04N21/47 H04N21/472 H04N21/47202 H04N21/4755 H04N21/478 H04N21/4788 H04N21/482 H04N21/4821 H04N21/4823 H04N21/4828 H04N21/488 H04N21/4882 H04N21/6125 H04N21/6175 H04N21/8126 H04N21/8133 H04N21/8166 H04N21/8173 H04N21/8358 H04N21/84 H04N5/4401 H04N5/4403 H04N5/445 H04N5/50 G06F2203/04804 H04N5/44 H04N5/45 G06F3/0482 H04N5/44543 H04N5/44591 H04N5/64 H04N21/422 H04N21/4221 H04N21/4312 H04N21/4314 H04N21/4782 H04N2005/4412 H04N2005/44556

US: 725/37

Family:

Publication number	Publication date	Application number	Application date
US2015156554 AA	20150604	US20130407601	20130416

Priority:

US20120659626P 20120614
US20120684672P 20120817
US20120697710P 20120906
US20120700182P 20120912
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US20130805042P 20130325
US20130805053P 20130325
US20130407601 20130416
WO2013US36678 20130416

Probable Assignee: FLEXTRONICS AP LLC

Assignee(s): (std)**:** FLEXTRONICS AP LLC

Inventor(s): (std)**:** WU FUQU ; SIRPAL SANJIV ; SELIM MOHAMMED ; DOURADO SAULO CORREIA