504166022 01/05/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4212699

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
|-----------------------|--|
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the CONVEYING PARTY'S NAME previously recorded on Reel 034634 Frame 0744. Assignor(s) hereby confirms the ASSIGNMENT. |
| RESUBMIT DOCUMENT ID: | 504126106 |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------|----------------|
| TATSUYA UMEO | 12/22/2014 |

RECEIVING PARTY DATA

| Name: | YAMAHA CORPORATION |
|-----------------|-----------------------------|
| Street Address: | 10-1, NAKAZAWA-CHO, NAKA-KU |
| City: | HAMAMATSU-SHI, SHIZUOKA-KEN |
| State/Country: | JAPAN |
| Postal Code: | 430-8650 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14281445 |

CORRESPONDENCE DATA

Fax Number: (213)892-5454

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 2138925200

Email: EPalines@mofo.com

Correspondent Name: MORRISON & FOERSTER, LLP Address Line 1: 707 WILSHIRE BOULEVARD

Address Line 4: LOS ANGELES, CALIFORNIA 90017

| ATTORNEY DOCKET NUMBER: | 393032095701 |
|-------------------------|----------------|
| NAME OF SUBMITTER: | DAVID S. KIM |
| SIGNATURE: | /David S. Kim/ |
| DATE SIGNED: | 01/05/2017 |

Total Attachments: 5

504166022

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> PATENT REEL: 040906 FRAME: 0969

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PATENT REEL: 040906 FRAME: 0970 Assignment Page 1 of 2

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| | Name | Execution Date |
|--------------------------|------|----------------|
| TATSUYA UMBO [12/22/2014 | | |

RECEIVING PARTY DATA

| Name: | YAMAHA CORPORATION |
|-----------------|-----------------------------|
| Street Address: | 10-1, NAKAZAWA-CHO, NAKA-KU |
| City: | HAMAMATSU-SHI, SHIZUOKA-KEN |
| State/Country: | JAPAN |
| Postal Code: | 430-8650 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14281445 |

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 Fax Number:
 (213)892-5454

 Phone:
 213-892-5454

 Email:
 afong@mofo.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if

that is unsuccessful, it will be sent via US Mail.

 Correspondent Name:
 MORRISON & FOERSTER, LLP

 Address Line 1:
 707 WILSHIRE BOULEVARD

 Address Line 4:
 LOS ANGELES, CALIFORNIA 90017

| ATTORNEY DOCKET NUMBER: | 393032095701 |
|-------------------------|-----------------|
| NAME OF SUBMITTER: | EROL C BASOL |
| Signature: | /Erol C. Basol/ |
| Date: | 01/05/2015 |
| | |

Assignment Page 2 of 2

Total Attachments: 2

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RECEIPT INFORMATION

EPAS ID: PAT3169637 **Receipt Date:** 01/05/2015

Attorney Docket No.: Yamaha Reference No.: H09706WUS

SOLE ASSIGNMENT

This assignment is by:

 Tatsuya UMEO c/o Yamaha Corporation 10-1, Nakazawa-cho, Naka-ku Hamamatsu-Shi, Shizuoka-Ken 430-8650; JAPAN

(referred to in this Assignment as "Assignor"), who resides at or has a mailing address as listed above.

This Assignment is to:

Assignce: Yamaha Corporation

Address: 10-1, Nakazawa-cho, Naka-ku, Hamamatsu-shi, Shizuoka-ken, 430-8650, JAPAN

A corporation duly organized under and pursuant to the laws of: Japan

(referred to in this Assignment as "Assignee"), who desire to acquire the entire right, title and interest in said inventions and said application for letters patent of the United States, and in any United States or foreign, letters patent or patents, to be obtained therefor and thereon.

Assignor has invented certain new and useful inventions in:

AUDIO SIGNAL PROCESSING DEVICE AND PARAMETER ADJUSTING METHOD

for which Assignor has filed an application for patent in the United States of America concurrently herewith. Where this Assignment is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No.: 14/281,445 Filing Date: May 19, 2014

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,

- 1. Assignor hereby sells, assigns, transfers and sets over, to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for letters patent, and any and all letters patent or patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all provisionals, divisions, continuations, continuations-in-part and substitutions of said application, or reissues, re-examinations or extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover for past, present and future infringement), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.
- 2. Assignor represents, warrants and covenants that, at the time of execution and delivery of this agreement, Assignor is the sole and lawful owner of the entire right, title and interest in and to said inventions and said application for letters patent, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement.
- 3. Assignor shall promptly sign and execute all papers and documents, take all lawfid oaths, and do all acts necessary, required or useful for the procurement, maintenance, enforcement, defense or otherwise to secure title thereto to the Assignee, at the sole cost and expense of Assignee, its successors, legal representatives and assigns, in each case including, without limitation, arising from or relating to (a) said inventions, or said application for letters patent; (b)

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Attorney Docket No.: Yamaha Reference No.: H09706WUS

letters patent for said inventions in any country, including any reissue, re-examination or extension of or interference proceedings; or (c) any provisional, division, continuation, continuation-in-part, or substitutions of any application for letters patent or any reissues, re-examinations, extensions or interference proceedings involving any letters patent, to be obtained thereon. To be clear, for purposes of this paragraph, "desirable" shall include, without limitation, any act necessary or useful in connection with United States laws and/or international conventions.

- 4. Assignor hereby authorizes and requests the Commissioner of Patents in the United States to issue the above mentioned letters patents of the United States to Assignee as the assignee of said inventions and the letters patent to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.
- 5. "I hereby grant Assignee's attornoys, all of Morrison & Foerster LLP, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known."

In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date: Dec 22, 2014

Signature:

Tatsuva UMEC

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