

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4347007

| | |
|---|---------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| HIROFUMI KAWAGUCHI | 03/02/2017 |
| YASUO HASHIMOTO | 03/02/2017 |
| RECEIVING PARTY DATA | |
| Name: | FUJI IMPULSE CO., LTD |
| Street Address: | 4-23-18, SHONAI SAKAEMACHI |
| Internal Address: | TOYONAKA-SHI |
| City: | OSAKA |
| State/Country: | JAPAN |
| Postal Code: | 561-0834 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15516117 |
| CORRESPONDENCE DATA | |
| Fax Number: | (704)444-1111 |
| <i>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.</i> | |
| Phone: | 704-444-1000 |
| Email: | grace.rippy@alston.com |
| Correspondent Name: | TIMOTHY J. BALTS |
| Address Line 1: | 101 S. TRYON STREET |
| Address Line 4: | CHARLOTTE, NORTH CAROLINA 28280 |
| ATTORNEY DOCKET NUMBER: | 060937/495425 |
| NAME OF SUBMITTER: | TIMOTHY J. BALTS |
| SIGNATURE: | /Timothy J. Balts/ |
| DATE SIGNED: | 03/31/2017 |
| Total Attachments: 3 | |
| source=495425_Assignment#page1.tif | |
| source=495425_Assignment#page2.tif | |
| source=495425_Assignment#page3.tif | |

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

FUJI IMPULSE CO., LTD.
4-23-18, Shonai Sakaemachi, Toyonaka-Shi
Osaka, JAPAN 561-0834

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in "ELECTRIC HEATING DEVICE"

as set forth in this United States Patent Application

- ☒ executed concurrently herewith
☐ executed on _____
☒ Application No. _____; filed _____
☒ Application a national phase of International Patent Application No. PCT/JP2015/059893, filed 03/30/2015 which claims priority to JP Application No. 2014-204762, filed 10/03/2014, all applications listed above being hereinafter referred to as the "application(s)";

(We hereby authorize and request the Assignee and its attorney, (Alston & Bird LLP) to insert above the application number and filing date of said application when known.)

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in

form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

This Assignment is deemed to be effective at least as early as the earliest priority date.

March 2, 2017
Date

Hirofumi Kawaguchi
Hirofumi KAWAGUCHI

March 2, 2017
Date

Ayachi Tsurukame
Witness
Ayachiro TSURUKAME

March 2, 2017
Date

Toshiyuki Mitsuyoshi
Witness
Toshiyuki MITSUYOSHI

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

March 2, 2017
Date

Yasuo Hashimoto
Yasuo HASHIMOTO

March 2, 2017
Date

Ayahiro Tsurukame
Witness
Ayahiro TSURUKAME

March 2, 2017
Date

Toshiyuki Mitsuyoshi
Witness
Toshiyuki MITSUYOSHI