

## PATENT ASSIGNMENT COVER SHEET

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                               |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                                   |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                              |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                        |
| TOMOHIRO SAKAI                                                                                                                                                                                  | 03/18/2020                                   |
| KAZUHISA SASAKI                                                                                                                                                                                 | 03/18/2020                                   |
| SATOSHI MIURA                                                                                                                                                                                   | 03/18/2020                                   |
| DAISUKE IWAMA                                                                                                                                                                                   | 03/18/2020                                   |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                              |
| <b>Name:</b>                                                                                                                                                                                    | THINE ELECTRONICS, INC.                      |
| <b>Street Address:</b>                                                                                                                                                                          | 9-1, KANDA-MITOSHIRO-CHO, CHIYODA-KU         |
| <b>City:</b>                                                                                                                                                                                    | TOKYO                                        |
| <b>State/Country:</b>                                                                                                                                                                           | JAPAN                                        |
| <b>Postal Code:</b>                                                                                                                                                                             | 101-0053                                     |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                              |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                                |
| <b>Application Number:</b>                                                                                                                                                                      | 16829491                                     |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                              |
| <b>Fax Number:</b>                                                                                                                                                                              | (202)293-7860                                |
| <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> |                                              |
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| <b>Email:</b>                                                                                                                                                                                   | tmontgomery@sughrue.com, sughrue@sughrue.com |
| <b>Correspondent Name:</b>                                                                                                                                                                      | SUGHRUE MION, PLLC                           |
| <b>Address Line 1:</b>                                                                                                                                                                          | 2000 PENNSYLVANIA AVENUE NW                  |
| <b>Address Line 4:</b>                                                                                                                                                                          | WASHINGTON, D.C. 20006                       |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | Q254113                                      |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | TANIKA MONTGOMERY                            |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Tanika Montgomery/                          |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 03/25/2020                                   |
| <b>Total Attachments: 2</b>                                                                                                                                                                     |                                              |
| source=Q254113AssignmentasFiled#page1.tif                                                                                                                                                       |                                              |
| source=Q254113AssignmentasFiled#page2.tif                                                                                                                                                       |                                              |

# ASSIGNMENT

Whereas, I/we,

Name

Address

1) Tomohiro SAKAI

c/o THINE ELECTRONICS, INC.,  
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2) Kazuhisa SASAKI

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3) Satoshi MIURA

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4) Daisuke IWAMA

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Chiyoda-ku, Tokyo 101-0053 Japan

hereinafter called assignor(s), have invented certain improvements in

## TRANSMITTER, RECEIVER, TRANSMITTER/RECEIVER, AND TRANSMITTING/RECEIVING SYSTEM

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below:

filed on March 25, 2020, Serial No. 16/829,491; and

Whereas

THINE ELECTRONICS, INC.

9-1, Kanda-mitoshiro-cho,  
Chiyoda-ku, Tokyo 101-0053 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

In the event that the patent application filing date or serial number is not known at the time this Assignment is executed, I/WE hereby grant permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this Assignment after such information is added.

### INVENTORS

### DATE SIGNED

1):

Name :

Tomohiro Sakai

Tomohiro SAKAI

March 18, 2020

2):

Name :

K. Sasaki

Kazuhisa SASAKI

March 18, 2020

3) : Satoshi Miura March 18, 2020  
Name : Satoshi MIURA

4) : Daisuke Iwama March 18, 2020  
Name : Daisuke IWAMA