

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| PENG-JEN CHEN | 03/22/2019 |
| BOR-SHIUN LEE | 03/26/2019 |
| CHAO-TA HUANG | 03/22/2019 |
| RECEIVING PARTY DATA | |
| Name: | INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE |
| Street Address: | NO. 195, SEC. 4 |
| Internal Address: | CHUNG-HSING RD., CHU-TUNG |
| City: | HSINCHU |
| State/Country: | TAIWAN |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16369965 |
| CORRESPONDENCE DATA | |
| Fax Number: | |
| <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: | 4352521360 |
| Email: | crigby@mabr.com |
| Correspondent Name: | R. BURNS ISRAELSEN |
| Address Line 1: | MASCHOFF BRENNAN |
| Address Line 2: | 1389 CENTER DR. SUITE 300 |
| Address Line 4: | PARK CITY, UTAH 84098 |
| ATTORNEY DOCKET NUMBER: | T1213.10761US01 |
| NAME OF SUBMITTER: | R. BURNS ISRAELSEN |
| SIGNATURE: | /R. Burns Israelsen, Reg. No. 42685/ |
| DATE SIGNED: | 04/10/2019 |
| Total Attachments: 2 | |
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| source=T1213.10761US01 Assignment#page2.tif | |

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WHEN RECORDED RETURN TO:

MASCHOFF BRENNAN
1389 CENTER DRIVE, SUITE 300
Park City, Utah 84098-7633

PATENT APPLICATION

Docket No:

ASSIGNMENT

I/We the undersigned, hereinafter collectively referred to as "Assignor", have made an invention entitled
MICROELECTROMECHANICAL SYSTEM APPARATUS WITH HEATER

Preferred embodiments of said invention are disclosed in a United States patent application which:

is executed concurrently herewith for filing in the United States Patent and Trademark Office and has been assigned Application Serial No _____, with a filing date of _____.

was previously filed in the United States Patent and Trademark Office on **March 29, 2019** as Application Serial No. **16/369,965**.

is a United States National Application of PCT International Application No. _____ filed _____.

(The attorneys of Maschoff Brennan are hereby authorized to insert the serial number and filing date when known.)

The Assignee:

INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE

having a principal place of business at

No. 195, Sec. 4, Chung-Hsing Rd., Chu-Tung, Hsinchu, Taiwan, R.O.C.

desires to secure the entire right, title and interest in said invention and the patent application filed thereon.

In consideration of One Dollar (\$1.00) and other good and valuable consideration paid to Assignor by the Assignee, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR HEREBY ASSIGNS TO THE ASSIGNEE:

The entire right, title, and interest in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, or reissues or extensions of letters patent or patents granted thereon, and in all patents issuing thereon in the United States.

The right to claim the benefit of any prior related United States or foreign patent applications.

Assignor hereby authorizes and requests the United States Commissioner for Patents to issue any and all patents on said invention to the Assignee as the owner of the entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives.

Assignor hereby agrees, without further consideration and without expense to Assignee, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of Assignor to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States applications and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of Assignor's ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said application.

This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

Inventor 1

| | | |
|--|---|--------------------------------------|
| Peng-Jen | | CHEN |
| <small>(GIVEN NAME)</small> | <small>(MIDDLE INITIAL OR NAME)</small> | <small>FAMILY (OR LAST NAME)</small> |
| Inventor's signature: <u>Peng-Jen Chen</u> | | Date: <u>2019.03.22</u> |

Inventor 2

| | | |
|--|---|--------------------------------------|
| Bor-Shiun | | LEE |
| <small>(GIVEN NAME)</small> | <small>(MIDDLE INITIAL OR NAME)</small> | <small>FAMILY (OR LAST NAME)</small> |
| Inventor's signature: <u>Bor-Shiun Lee</u> | | Date: <u>2019.3.26</u> |

Inventor 3

| | | |
|--|---|--------------------------------------|
| Chao-Ta | | HUANG |
| <small>(GIVEN NAME)</small> | <small>(MIDDLE INITIAL OR NAME)</small> | <small>FAMILY (OR LAST NAME)</small> |
| Inventor's signature: <u>Chao-Ta Huang</u> | | Date: <u>2019.3.22</u> |