

## 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>                                |
| SHENG-YU PENG   | 07/01/2014   |
| HUNG-YU SHIH  | 07/01/2014   |
| MIN-RUI LAI   | 07/02/2014   |
| CHIANG-HIS LEE  | 07/02/2014   |
| TZU-YUN WANG  | 07/02/2014   |
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| <b>State/Country:</b>   | TAIWAN   |
| <b>PROPERTY NUMBERS Total: 1</b>  |  |
| <b>Property Type</b>  | <b>Number</b>  |
| <b>Application Number:</b>  | 14453631   |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | TWT03430/US  |
| <b>NAME OF SUBMITTER:</b>   | JAMES LYNN O'SULLIVAN                                |
| <b>SIGNATURE:</b>   | /James Lynn O'Sullivan/                              |
| <b>DATE SIGNED:</b>   | 08/07/2014   |
| <b>Total Attachments: 2</b>   |  |
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| source=TWT03430US-Assignment#page2.tif  |  |

**ASSIGNMENT**

This assignment agreement is applicable to an invention entitled (Invention Title) \_\_\_\_\_  
 OPERATIONAL TRANSCONDUCTANCE AMPLIFIER, OPERATIONAL  
 TRANSCONDUCTANCE AMPLIFIER-CAPACITOR FILTER AND HIGH ORDER  
 RECONFIGURABLE ANALOG FILTER

The PATENT RIGHTS referred to in this agreement are:

- (check one)  a patent application for this invention, executed by the ASSIGNOR(S)  
 concurrently with this assignment.
- U.S. patent application Serial No. \_\_\_\_\_, filed \_\_\_\_\_
- a U.S. patent application based on PCT International Application  
 No. \_\_\_\_\_, filed on (date) \_\_\_\_\_ (U.S. patent application  
 Serial No. \_\_\_\_\_, if known).
- U.S. patent No. \_\_\_\_\_, issued \_\_\_\_\_.

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of  
 the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

- (check one)  U.S. patent rights only.
- Worldwide patent rights. In this case, the assignee shall have the right to  
 claim the benefit of the filing date of any U.S. or foreign patent application  
 for this invention.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures  
 appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) National Taiwan University of Science and Technology  
 (Address) NO. 43, SEC. 4, KEELUNG RD., TAIPEI CITY, TAIWAN, R.O.C.

The ASSIGNEE is:

- (check one)  An individual.
- A Partnership.
- An University of TAIWAN, R.O.C. (specify state or country)
- (other) \_\_\_\_\_

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and  
 valuable consideration, receipt of which is acknowledged, hereby assign(s) the following  
 rights to the ASSIGNEE, its successors and assigns:

the full and exclusive right to the invention;  
 the entire right, title and interest in and to the PATENT RIGHTS;  
 the right to sue and recover for any past infringement; and  
 the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable  
 provisions, based on any earlier patent applications for this invention.

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO

ASSIGNEE: National Taiwan University of Science and Technology

INVENTION TITLE: OPERATIONAL TRANSCONDUCTANCE AMPLIFIER,  
OPERATIONAL TRANSCONDUCTANCE AMPLIFIER-CAPACITOR FILTER AND  
HIGH ORDER RECONFIGURABLE ANALOG FILTER

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademark to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and all Letter Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize(s) the attorneys and agents who have the power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Sheng-Yu PENG  
Name of sole or first inventor

Sheng Yu Peng  
Signature

7/1/2014  
Date

Hung-Yu SHIH  
Name of second inventor, if any

Hung-Yu Shih  
Signature

7/1/2014  
Date

Min-Rui LAI  
Name of third inventor, if any

Min-Rui Lai  
Signature

7/2/2014  
Date

Chiang-His Lee  
Name of fourth inventor, if any

Chiang-His Lee  
Signature

7/2/2014  
Date

Tzu-Yun WANG  
Name of fifth inventor, if any

Tzu-Yun Wang  
Signature

7/2/2014  
Date