

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4200577

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHAO-KAI WEN	12/16/2016
CHANG-JEN WANG	12/16/2016
JING-SHIUN LIN	12/19/2016
JEN-YUAN HSU	12/20/2016
DUNG-RUNG HSIEH	12/19/2016
CHIU-PING WU	12/19/2016
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15390543
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<b>SIGNATURE:</b>	/Belinda Lee/
<b>DATE SIGNED:</b>	12/26/2016
<b>Total Attachments: 2</b>	

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## ASSIGNMENT

WHEREAS,

- |                    |                   |
|--------------------|-------------------|
| 1. Chao-Kai Wen    | 2. Chang-Jen Wang |
| 3. Jing-Shiun Lin  | 4. Jen-Yuan Hsu   |
| 5. Dung-Rung Hsieh | 6. Chiu-Ping Wu   |

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: **ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING RECEIVER WITH  
LOW-RESOLUTION ANALOG TO DIGITAL CONVERTER AND  
ELECTRONIC DEVICE THEREOF**

[ ] Filed: Serial No.

[x] Executed concurrently with the execution of this instrument

WHEREAS 1. Industrial Technology Research Institute  
of No. 195, Sec. 4, Chung Hsing Rd., Chutung, Hsinchu 31040, Taiwan, R.  
O. C.

hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said rights, title and interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee Lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

## ASSIGNMENT CONTINUED

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

Signature: Chao-kai Wen

Date: 16th Dec., 2016

Sole or First Joint Inventor: Chao-Kai Wen

Signature: Chang-Jen Wang

Date: 16th Dec. 2016

Second Joint Inventor (if any): Chang-Jen Wang

Signature: Jing-Shiun Lin

Date: 19th Dec. 2016

Third Joint Inventor (if any): Jing-Shiun Lin

Signature: Jen-Yuan Hsu

Date: 20th Dec. 2016

Fourth Joint Inventor (if any): Jen-Yuan Hsu

Signature: Dung-Rung Hsieh

Date: 19th Dec. 2016

Fifth Joint Inventor (if any): Dung-Rung Hsieh

Signature: Chiu-Ping Wu

Date: 19th Dec. 2016

Sixth Joint Inventor (if any): Chiu-Ping Wu