

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3328708

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHI-HAO CHEN	04/22/2015
YUNG-SHENG FANG	04/22/2015
<b>RECEIVING PARTY DATA</b>	
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<b>Name:</b>	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.
<b>Street Address:</b>	NO.8, LI-HSIN RD.6, SCIENCE-BASED INDUSTRIAL PARK
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<b>State/Country:</b>	TAIWAN
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14695033
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<b>ATTORNEY DOCKET NUMBER:</b>	TWT03824/US
<b>NAME OF SUBMITTER:</b>	JAMES LYNN O'SULLIVAN
<b>SIGNATURE:</b>	/James Lynn O'Sullivan/

<b>DATE SIGNED:</b>	04/28/2015
<b>Total Attachments: 2</b> source=TWT03824US-Assignment#page1.tif source=TWT03824US-Assignment#page2.tif	

**ASSIGNMENT**

This assignment agreement is applicable to an invention entitled (Invention Title) \_\_\_\_\_  
ELECTRONIC DEVICE, PERFORMANCE BINNING SYSTEM AND METHOD,  
VOLTAGE AUTOMATIC CALIBRATION SYSTEM

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) 1. GLOBAL UNICHIP CORPORATION

2. TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.

(Address) 1. NO. 10, LI-HSIN 6TH ROAD, HSINCHU SCIENCE PARK, HSINCHU CITY  
30078, TAIWAN, R.O.C.

2. NO. 8, LI-HSIN RD. 6, SCIENCE-BASED INDUSTRIAL PARK, HSINCHU,  
TAIWAN 300, R.O.C.

The ASSIGNEES are:

(check one) ☐ An individual.

☐ A Partnership.

☒ Corporations of 1. Taiwan, R.O.C. 2. 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: 1. GLOBAL UNICHIP CORPORATION

2. TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.

INVENTION TITLE: ELECTRONIC DEVICE, PERFORMANCE BINNING  
SYSTEM AND METHOD, VOLTAGE AUTOMATIC CALIBRATION SYSTEM

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.

Shi-Hao CHEN

Name of sole or first inventor

Shi-Hao Chen  
 Signature

April 22, 2015

Date

Yung-Sheng Fang

Name of second inventor, if any

Yung-Sheng Fang  
 Signature

April 22, 2015

Date