

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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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>
Wen-Juh Kang	07/07/2015
Yen-Chung Tony Chen	07/07/2015
Chen-Yang Pan	07/07/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GLOBAL UNICHIP CORPORATION
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<b>State/Country:</b>	Taiwan ROC
<b>Postal Code:</b>	300
<b>Name:</b>	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.
<b>Street Address:</b>	No. 8, Li-Hsin Rd. 6, Hsin-Chu Science Park
<b>City:</b>	Hsin-Chu
<b>State/Country:</b>	Taiwan ROC
<b>Postal Code:</b>	300
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14798605
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)880-7487
<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>ATTORNEY DOCKET NUMBER:</b>	67407-545
<b>NAME OF SUBMITTER:</b>	JUSTIN KING
<b>SIGNATURE:</b>	/Justin King/

<b>DATE SIGNED:</b>	07/14/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 3</b> source=CDA#page1.tif source=CDA#page2.tif source=CDA#page3.tif	

Serial No. \_\_\_\_\_  
Attorney Docket No. \_\_\_\_\_  
Ref. No. 2013-034  
Sundial Ref. No. US10624PAMY

## Combined Declaration and Assignment for Patent Application

For the subject matter which is claimed and for which a patent is sought on the invention entitled:

**CLOCK DATA RECOVERY SYSTEM FOR SERDES**

I hereby declare that: As a below named inventor

The specification of which is attached hereto unless the following box is checked

was filed on

as United States Application Number or PCT International Application Number

The above-identified application was made or authorized to be made by me.  
I believe I am the original inventor or an original joint inventor of a claimed invention in the application.  
I hereby acknowledge that willful false statements made in this statement is punishable under 18 U.S.C. 1001 by fine or/and imprisonment of not more than five (5) years.

### ASSIGNMENT

WHEREAS, I(we), the named inventor(s), whose post office address(es) appear(s) below, hereinafter referred to as Assignor,

WHEREAS, GLOBAL UNICHIP CORPORATION whose post office address is No. 10, Li-Hsin 6th Rd., Hsinchu Science Park, Hsinchu City 300, Taiwan  
and Taiwan Semiconductor Manufacturing Co., Ltd. whose post office address is No. 8, Li-Hsin Rd. 6, Hsin-Chu Science Park, Hsin-Chu, Taiwan 300, R.O.C.  
hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States and its territorial possessions.

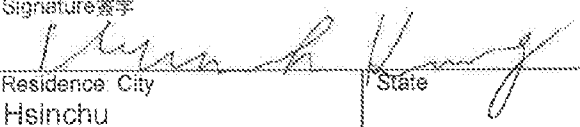
NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), Assignor, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part, and reissue of said application for the full term or terms for which the same may be granted, including all priority rights under any international Convention.

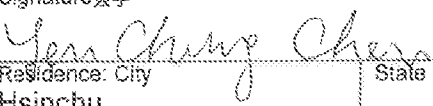
ASSIGNOR further covenants that no assignments, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Serial No. \_\_\_\_\_  
 Attorney Docket No. \_\_\_\_\_  
 Ref. No. 2013-034  
 Sundial Ref. No. US10624PAMY

ALSO, Assignor hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. Assignor also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the INVENTION that are within Assignor's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of Assignor in respect of the prosecution, maintenance, litigation and defense of any patent application or patent encompassed within the terms of this instrument. Assignor's obligations under this instrument shall extend to Assignor's heirs, executors, administrators and other legal representatives;

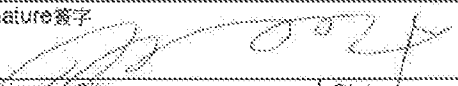
ALSO, Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof, and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made.

Legal Name of the Sole Or First Inventor			
First And Middle Name <b>Wen-Juh</b>		Last Name of Inventor <b>Kang</b>	
Signature 簽字 		Signature Date (month/day/year) 7/7 /2015	
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City Hsinchu	State	Zip 300	Country Taiwan, R.O.C.

Legal Name of the Joint Inventor
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Ref. No. 2013-034  
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First And Middle Name <b>Chen-Yang</b>		Last Name of Inventor <b>Pan</b>	
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City Hsinchu	State	Zip 300	Country Taiwan, R.O.C.