

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ming-Jing HO</td> <td>12/20/2011</td> </tr> <tr> <td>Shih-Lun CHEN</td> <td>12/20/2011</td> </tr> </tbody> </table>		Name	Execution Date	Ming-Jing HO	12/20/2011	Shih-Lun CHEN	12/20/2011				
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<table border="1"> <tr> <td>Name:</td> <td>GLOBAL UNICHIP CORP.</td> </tr> <tr> <td>Street Address:</td> <td>No. 10, Li-Hsin 6th Road, Hsinchu Science Park</td> </tr> <tr> <td>City:</td> <td>Hsinchu City</td> </tr> <tr> <td>State/Country:</td> <td>TAIWAN</td> </tr> <tr> <td>Postal Code:</td> <td>30078</td> </tr> </table>		Name:	GLOBAL UNICHIP CORP.	Street Address:	No. 10, Li-Hsin 6th Road, Hsinchu Science Park	City:	Hsinchu City	State/Country:	TAIWAN	Postal Code:	30078
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Application Number:	13425331										
CORRESPONDENCE DATA											
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OP \$40.00 13425331

PATENT

ATTORNEY DOCKET NUMBER:	250712-1010
NAME OF SUBMITTER:	Daniel R. McClure
Total Attachments: 1 source=01576072#page1.tif	

## ASSIGNMENT

WHEREAS, Ming-Jing HO and Shih-Lun CHEN hereafter 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: DELAY LOCKED LOOP (DLL) CIRCUIT FOR IMPROVING JITTER

Filed: \_\_\_\_\_ Serial No. \_\_\_\_\_

Executed on: December 20, 2011

WHEREAS, GLOBAL UNICHIP CORP. of No. 10, Li-Hsin 6th Road, Hsinchu Science Park, Hsinchu City 30078, Taiwan, R.O.C., and Taiwan Semiconductor Manufacturing Co., Ltd. of No. 8, Li-Hsin 6th Road, Hsinchu Science Park, Hsinchu City 30078, Taiwan, R.O.C. hereinafter referred to as ASSIGNEES, are 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 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.

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

Ming-Jing Ho

Ming-Jing HO

Dec. 20, 2011

Date

Shih-Lun Chen

Shih-Lun CHEN

Dec. 20, 2011

Date