

PATENT ASSIGNMENT

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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>Ying-Ta Lu</td> <td>01/17/2013</td> </tr> <tr> <td>Hsien-Yuan Liao</td> <td>01/17/2013</td> </tr> <tr> <td>Ho-Hsiang Chen</td> <td>01/17/2013</td> </tr> <tr> <td>Chewn-Pu Jou</td> <td>01/18/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ying-Ta Lu	01/17/2013	Hsien-Yuan Liao	01/17/2013	Ho-Hsiang Chen	01/17/2013	Chewn-Pu Jou	01/18/2013
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Hsien-Yuan Liao	01/17/2013										
Ho-Hsiang Chen	01/17/2013										
Chewn-Pu Jou	01/18/2013										
RECEIVING PARTY DATA											
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City:	Hsin-Chu										
State/Country:	TAIWAN										
Postal Code:	300-77										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13744497</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13744497						
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Application Number:	13744497										
CORRESPONDENCE DATA											
Fax Number:	2165020601										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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NAME OF SUBMITTER:	Thomas G. Eschweiler										

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Total Attachments: 6

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U.S. Patent Appln. No.

Docket No. TSMCP239US

Filing Date:

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

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Republic of China

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "**ULTRA-LOW VOLTAGE-CONTROLLED OSCILLATOR WTH TRIFILAR COUPLING**" for which:

a non-provisional application for United States Letters Patent:

U.S. Patent Appln. No.

Docket No. TSMCP239US

Filing Date:

was executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney); or

was filed on _____ and accorded U.S. Serial No. _____; or

will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR hereby authorizes and requests ASSIGNEE'S legal representatives, the attorneys associated with Customer No. _____, to insert below in this document this APPLICATION's U.S. Serial Number and filing date, when known:

U.S. Serial No. _____

filed on _____

WHEREAS, ASSIGNEE (listed above), a corporation of the Republic of China is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said invention and improvements, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by

TSMC Docket No. TSMC2012-1245

U.S. Patent Appl. No.

Docket No. TSMCP239US

Filing Date:

ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

2013.01.17

Date

Ying-Ta Lu

Name 1st Inventor Ying-Ta Lu

TSMC Docket No. TSMC2012-1245

Docket No. TSMCP239US

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Filing Date:

2013.01.17
Date

Hsien-Yuan Liao
Name 2nd Inventor Hsien-Yuan Liao

TSMC Docket No. TSMC2012-1245

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Filing Date:

2013/1/17
Date

Ho-Hsiang CHEN

Name 3rd Inventor Ho-Hsiang Chen

TSMC Docket No. TSMC2012-1245

Docket No. TSMCP239US

U.S. Patent Appln. No.

Filing Date:

2013.01.18
Date



Name 4th Inventor Chewn-Pu Jou