

PATENT ASSIGNMENT COVER SHEET

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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>MENG-LIN LU</td> <td>11/27/2013</td> </tr> <tr> <td>CHING-TING YANG</td> <td>11/27/2013</td> </tr> <tr> <td>CHUN-JEN CHEN</td> <td>11/27/2013</td> </tr> <tr> <td>CHIEN-HUNG LAI</td> <td>11/28/2013</td> </tr> <tr> <td>JONG-YUH CHANG</td> <td>11/28/2013</td> </tr> </tbody> </table>		Name	Execution Date	MENG-LIN LU	11/27/2013	CHING-TING YANG	11/27/2013	CHUN-JEN CHEN	11/27/2013	CHIEN-HUNG LAI	11/28/2013	JONG-YUH CHANG	11/28/2013
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CHUN-JEN CHEN	11/27/2013												
CHIEN-HUNG LAI	11/28/2013												
JONG-YUH CHANG	11/28/2013												
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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>14096167</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14096167								
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Application Number:	14096167												
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Signature:	/Thomas G. Eschweiler/
Date:	12/04/2013
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U.S. Patent Appln. No.

Filing Date

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

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Filing Date

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled
**"IMAGE PROCESS METHOD TO IMPROVE MASK INSPECTION
PERFORMANCE"** for which:

a non-provisional application for United States Letters Patent:

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

I hereby authorize and request my attorney associated with Customer No.
107476, to insert on the designated lines below the filing date and application
number of said application 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

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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 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.

✓ 2013/11/29
Date

✓ Meng-Lin, Lu
Name 1st Inventor Meng-Lin Lu

TSMC Docket No. TSMC2013-1136

Docket No. TSMCP373US

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Filing Date

✓ 2013/11/27
Date

✓ Ching-Ting Yang
Name 2nd Inventor Ching-Ting Yang

TSMC Docket No. TSMC2013-1136

Docket No. TSMCP373US

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Filing Date

✓ 2013/11/29
Date

✓ Chun-Jen Chen
Name 3rd Inventor Chun-Jen Chen

TSMC Docket No. TSMC2013-1136

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Filing Date

✓ Nov 28 2013
Date

✓ Chien-Hung Lai
Name 4th Inventor Chien-Hung Lai

TSMC Docket No. TSMC2013-1136

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Filing Date

✓ Nov. 28, 2013
Date

✓ Jong-Yuh Chang
Name 5th Inventor Jong-Yuh Chang