### 503204039 03/04/2015

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

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HSIAO-HUI CHEN	02/02/2015
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### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14638065

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DATE SIGNED:	03/04/2015

**PATENT** REEL: 035084 FRAME: 0103

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PATENT REEL: 035084 FRAME: 0104 U.S. Patent Appln. No. Filing Date:

## **PATENT ASSIGNMENT**

### PARTIES TO THE ASSIGNMENT

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### **AGREEMENT**

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

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**PATENT** REEL: 035084 FRAME: 0105

TSMC Docket No. P20121011US01
Docket No. TSMCP213USA

U.S. Patent Appln. No.

Filing Date:

"PERFORMANCE-DRIVEN AND GRADIENT-AWARE DUMMY INSERTION FOR GRADIENT-SENSITIVE ARRAY" for which:

a non-provisional application for United States Letters Patent:

a non-provisional application for office offices better a done.	
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	r o
Attorney); or	
was filed on and accorded U.S. Serial No; or	
will be filed without this executed PATENT ASSIGNMENT. ASSIGNOR her	eby
authorizes and requests ASSIGNEE'S legal representatives, the attorn	eys
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

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Filing Date:

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.

Jq mis

Name 1st Inventor Mu-Jen Huang

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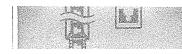
U.S. Patent Appln. No.

Filing Date:

TSMC Docket No. P20121011US01 Docket No. TSMCP213USA

Name 2<sup>nd</sup> Inventor Hsiao-Hui Chen

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TSMC Docket No. P20121011US01

Docket No. TSMCP213USA

2015/2/2

.

LEI CHEOK

KEI

Date

Name 3<sup>rd</sup> Inventor Cheok-Kei Lei

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Filing Date:

Date.

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