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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Chen-Hua Tsai	05/18/2011
Jian-Cheng Chen	05/18/2011
Chin-Yueh Tsai	05/18/2011
Yao-Jen Fan	05/18/2011
Heng-Kun Chen	05/18/2011
Hsiang Yang	05/18/2011

RECEIVING PARTY DATA

Name:	UNITED MICROELECTRONICS CORP.
Street Address:	No.3, Li-Hsin Road 2, Science-Based Industrial Park
City:	Hsin-Chu City
State/Country:	TAIWAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14064219

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Signature:	/KATE YEH/
Date:	01/23/2014
Total Attachments: 3 source=1860239#page1.tif source=1860239#page2.tif source=1860239#page3.tif	

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration.

ASSIGNOR(S) (Inventors):		
Name:	Chen-Hua Tsai	Nationality:	TW
Name:	Jian-Cheng Chen	Nationality:	TW
Name:	Chin-Yueh Tsai	Nationality:	TW
Name:	Yao-Jen Fan	Nationality:	TW
Name:	Heng-Kun Chen	Nationality:	TW
Name:	Hsiang Yang	Nationality:	TW
Hereby sells, as ASSIGNEE(S)	ssigns and transfers to		
Name:	UNITED MICROELECTRONICS CORP	•	
Address:	No.3, Li-Hsin Road 2, Science-Based Indu R.O.C.	ustrial Park, Hsin-C	Chu City 300, Taiwan,
any and all imp	sors and assignees of the ASSIGNEE the corovements which are disclosed in the inverted PATTERNS AND METHOD FOR GENERATION of in :	ntion entitled:	
(a) <u>+</u>	U.S. patent application executed on even de	ate	
NPO#NAU-P128		of 3	F#NPO-P0002E-US1 DSC0-099U011730

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(b)	U.S. patent application executed or	1
(c)	U.S. application serial no	
(d)	patent no.	issued
(e)	International application no.	

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and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuations, continuation-in-part, divisions, renewals, substitutes, or extensions thereof, and as to Letters Patent any reissue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the proposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this signing). (操作明人称必要某上列目期 *)

(Type name of inventor)	Signature of INVENTOR
Chen-Hua Tsai	Chen-Hua Tsat
Jian-Cheng Chen	Jian Cheng Chen
Chin-Yueh Tsai	Chin-Yueh Tsai
Yao-Jen Fan	Yao - Jen Fan
Heng-Kun Chen	Heng-Kun Chen
Hsiang Yang	Yang Hojang

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RECORDED: 01/23/2014