

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>Dennis Winters</td> <td>12/20/2012</td> </tr> <tr> <td>Victor Coots</td> <td>12/20/2012</td> </tr> <tr> <td>Matthew Burnham</td> <td>12/20/2012</td> </tr> <tr> <td>Daniel Thevis</td> <td>12/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Dennis Winters	12/20/2012	Victor Coots	12/20/2012	Matthew Burnham	12/20/2012	Daniel Thevis	12/20/2012		
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CORRESPONDENCE DATA													
Fax Number:	9726283616												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	972-628-3600												
Email:	patents@munckwilson.com												
Correspondent Name:	Docket Clerk												

CH \$40.00 13735866

Address Line 1: P.O. Drawer 800889
Address Line 4: Dallas, TEXAS 75380

ATTORNEY DOCKET NUMBER: IZ-201207-001-01

NAME OF SUBMITTER: William A. Munck

Total Attachments: 5
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ASSIGNMENT

WHEREAS, We, Dennis Winters, resident of Round Rock, Travis County, Texas, citizen of the United States, Victor Coots, resident of Round Rock, Travis County, Texas, citizen of the United States, Matthew Burnham, resident of Austin, Travis County, Texas, citizen of the United States, Daniel Thevis, resident of Elgin, Bastrop County, Texas, citizen of the United States, have invented certain new and useful improvements in a "SEMICONDUCTOR MANUFACTURING EQUIPMENT WITH TRACE ELEMENTS FOR IMPROVED DEFECT TRACING AND METHODS OF MANUFACTURE" disclosed in an application for United States Letters Patent (Application No. _____, filed _____), said application having been executed concurrently herewith;

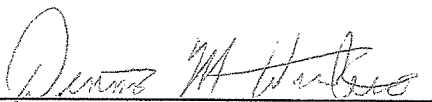
WHEREAS, SAMSUNG AUSTIN SEMICONDUCTOR, L.P., a limited partnership of Texas having a place of business at 12100 Samsung Blvd., Austin, Texas 78754, and to SAMSUNG ELECTRONICS CO., LTD., a corporation of Korea having a place of business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea (the "Co-Assignees"), the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letter Patent filed with the United States Patent and Trademark Office, submitted concurrently herewith;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; We authorize William A. Munck of Munck Wilson Mandala, LLP to insert in the parenthesis above the application number and filing date of said application when known; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this 20 day of December, 2012.


Dennis Winters

STATE OF TEXAS

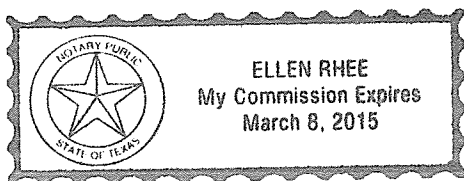
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COUNTY OF TRAVIS

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On this 20 day of Dec, 2012, before me, a Notary Public in and for the State and County aforesaid, personally appeared Dennis Winters, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his/her own free act and deed.



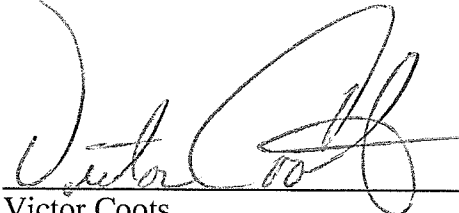

Notary Public, State of Texas

My Commission Expires:

March 8, 2015

DOCKET NO. IZ-201207-001-01
(SAMS04-00015)

Date: 12/20/12

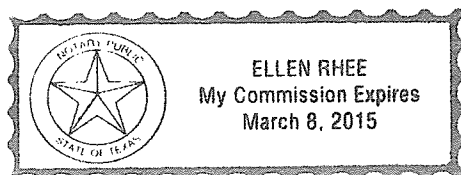

Victor Coots

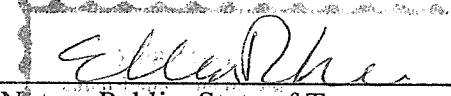
STATE OF TEXAS

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COUNTY OF TRAVIS

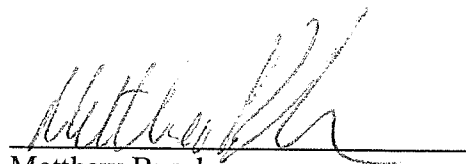
On this 20 day of Dec, 2012, before me, a Notary Public in and for the State and County aforesaid, personally appeared Victor Coots, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his/her own free act and deed.




Notary Public, State of Texas
My Commission Expires:
March 8, 2015

DOCKET NO. IZ-201207-001-01
(SAMS04-00015)

Date: 12/20/12


Matthew Burnham

STATE OF TEXAS

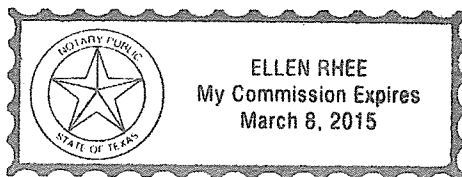
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COUNTY OF TRAVIS

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On this 20 day of 12, 2012, before me, a Notary Public in and for the State and County aforesaid, personally appeared Matthew Burnham, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his/her own free act and deed.



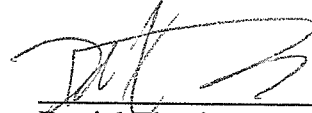

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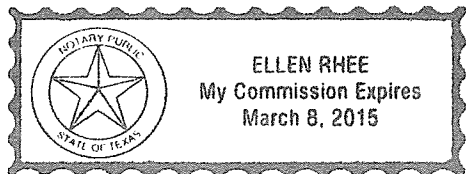
Daniel Thevis


STATE OF TEXAS

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COUNTY OF BASTROP

On this 20 day of Dec 2012, before me, a Notary Public in and for the State and County aforesaid, personally appeared Daniel Thevis, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his/her own free act and deed.





Notary Public, State of Texas

My Commission Expires:

March 8, 2015