

## 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>Swamy Muddu</td> <td>01/29/2013</td> </tr> <tr> <td>Rani A. Ghaida</td> <td>01/23/2013</td> </tr> </tbody> </table>		Name	Execution Date	Swamy Muddu	01/29/2013	Rani A. Ghaida	01/23/2013
Name	Execution Date						
Swamy Muddu	01/29/2013						
Rani A. Ghaida	01/23/2013						
RECEIVING PARTY DATA							
Name:	GLOBALFOUNDRIES Inc.						
Street Address:	PO Box 309						
Internal Address:	Ugland House						
City:	Grand Cayman						
State/Country:	CAYMAN ISLANDS						
Postal Code:	KY1-1104						
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>13757218</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13757218		
Property Type	Number						
Application Number:	13757218						
CORRESPONDENCE DATA							
Fax Number:	5184567004						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	518 456-7084						
Email:	kjones@kdiplaw.com						
Correspondent Name:	Keohane & D'Alessandro PLLC						
Address Line 1:	1881 Western Avenue						
Address Line 2:	Suite 180						
Address Line 4:	Albany, NEW YORK 12203						
ATTORNEY DOCKET NUMBER:	DU409						
NAME OF SUBMITTER:	Ronald A. D'Alessandro						
This document serves as an Oath/Declaration (37 CFR 1.63).							
Total Attachments: 2							
source=DU409_SignedDeclarationAndAssignment#page1.tif							
source=DU409_SignedDeclarationAndAssignment#page2.tif							

OP \$40.00 13757218

**COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR  
DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

**Title of  
Invention**

**PATTERN-BASED REPLACEMENT FOR LAYOUT REGULARIZATION**

As the below named inventor, I hereby declare that:

This declaration  The attached application, or  
is directed to:

United States application or PCT international application number \_\_\_\_\_  
filed on \_\_\_\_\_

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the application and am aware of the duty to disclose to the US Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR § 1.56.

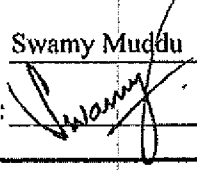
**ASSIGNMENT**

For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby sell, assign, transfer, to GLOBALFOUNDRIES Inc. having a business address of PO Box 309, Uglund House, Grand Cayman KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to the invention listed above, together with the Application, any and all Patents that may issue in the United States, and any reissues, renewals, continuations, continuation-in-parts, divisionals or extensions thereof that may be issued or granted, and all right, title and interest to the inventions contained in said Patents and Applications, for the United States, and all the rights and privileges relating thereto including but not limited to the priority rights arising from said Applications, the right to recover and take all such proceedings as may be necessary for the recovery of damages or otherwise in respect of past, present and future infringement, and the right to apply for, take and maintain patents on said inventions.

**LEGAL NAME OF INVENTOR**

Inventor: Swamy Muddu

Date: 01/29/2013

Signature: 

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional form for each additional inventor.

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**ASSIGNMENT**

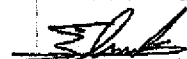
For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby sell, assign, transfer, to GLOBALFOUNDRIES Inc. having a business address of PO Box 309, Ugland House, Grand Cayman KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to the invention listed above, together with the Application, any and all Patents that may issue in the United States, and any reissues, renewals, continuations, continuation-in-parts, divisionals or extensions thereof that may be issued or granted, and all right, title and interest to the inventions contained in said Patents and Applications, for the United States, and all the rights and privileges relating thereto including but not limited to the priority rights arising from said Applications, the right to recover and take all such proceedings as may be necessary for the recovery of damages or otherwise in respect of past, present and future infringement, and the right to apply for, take and maintain patents on said inventions.

**LEGAL NAME OF INVENTOR**

Inventor: Rani A. Ghaida

Date: 01/25/13

Signature: \_\_\_\_\_



Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional form for each additional inventor.