

PATENT ASSIGNMENT

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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>RACHID TAIBI</td> <td>07/18/2013</td> </tr> <tr> <td>CEDRICK CHAPPAZ</td> <td>08/21/2013</td> </tr> <tr> <td>LEA DI CIOCCIO</td> <td>07/23/2013</td> </tr> <tr> <td>LAURENT-LUC CHAPELON</td> <td>07/23/2013</td> </tr> </tbody> </table>		Name	Execution Date	RACHID TAIBI	07/18/2013	CEDRICK CHAPPAZ	08/21/2013	LEA DI CIOCCIO	07/23/2013	LAURENT-LUC CHAPELON	07/23/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>STMicroelectronics SA</td> </tr> <tr> <td>Street Address:</td> <td>29, Boulevard Romain Rolland</td> </tr> <tr> <td>City:</td> <td>Montrouge</td> </tr> <tr> <td>State/Country:</td> <td>FRANCE</td> </tr> <tr> <td>Postal Code:</td> <td>F-92120</td> </tr> </table>		Name:	STMicroelectronics SA	Street Address:	29, Boulevard Romain Rolland	City:	Montrouge	State/Country:	FRANCE	Postal Code:	F-92120
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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>13624214</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13624214						
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CORRESPONDENCE DATA											
Fax Number:	4078412343										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	407-841-2330										
Email:	creganoa@addmg.com										
Correspondent Name:	Christopher F. Regan										
Address Line 1:	255 S. Orange Avenue, Suite 1401										

OP \$40.00 13624214

Address Line 4: Orlando, FLORIDA 32801	
ATTORNEY DOCKET NUMBER:	10-GR4-1029 (54714)
NAME OF SUBMITTER:	CHRISTOPHER F. REGAN
Signature:	/CHRISTOPHER F. REGAN/
Date:	09/09/2013
Total Attachments: 2 source=54714assign#page1.tif source=54714assign#page2.tif	

ASSIGNMENT

Application Number: *13/624,214*

Application Country/Region: *U.S.*

Application Title: *METHOD FOR ESTIMATING THE DIFFUSION LENGTH OF METALLIC SPECIES WITHIN A THREE-DIMENSIONAL INTEGRATED STRUCTURE, AND CORRESPONDING THREE-DIMENSIONAL INTEGRATED STRUCTURE*

Assignee: *STMICROELECTRONICS SA*

Assignee being a company, corporation, or juristic entity of: *FRANCE*

Assignee's principal place of business: *29, BOULEVARD ROMAIN ROLLAND, MONTRouGE, FRANCE, F-92120*

Assignee: *STMICROELECTRONICS (CROLLES 2) SAS*

Assignee being a company, corporation, or juristic entity of: *FRANCE*

Assignee's principal place of business: *850, RUE JEAN MONNET, CROLLES, FRANCE, 38926*

I, the below identified and undersigned inventor or co-inventor, as the case may be, of residence listed below, for and in consideration of good and valuable consideration, the receipt, sufficiency, and adequacy of which are hereby acknowledged, hereby transfer and assign to Assignee, its legal representatives, successors, and assigns, my entire right, title, and interest in and to the inventions for which the above identified patent application is made and describes (hereinafter referred to as "the Patent Rights"), together with any and all patents or patent applications anywhere worldwide to which any of the Patent Rights directly or indirectly claims priority, including but not limited to provisional applications thereof, or for which any of the Patent Rights directly or indirectly forms a basis for priority, together with all existing and/or future continuations, continuations-in-part, continuing prosecution applications, requests for continuing examinations, divisions, reissues, reexaminations, extensions, registrations, and foreign counterparts of any item in any of the foregoing, together with the right to sue for and be entitled to any damages, injunctive relief, and any other remedies of any kind for past, current, and future infringement thereof, together with all rights worldwide in the Patent Rights; said entire right, title, and interest, to be held and enjoyed by the Assignee for its own use and enjoyment and for the use and enjoyment of its legal representatives, successors, and assigns to the full end of the term for which the aforementioned rights may be granted anywhere in the world.

I hereby further agree to assist in and execute all documents needed now or in the future to perfect, obtain, and secure the aforementioned rights to Assignee, its legal representatives, successors, and assigns, for any jurisdiction in the world. At the expense of Assignee, or its legal representatives, successors, or assigns, I agree to assist in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid Assignee, its legal representatives, successors, and assigns, to enforce the aforementioned rights in any and all countries and regions worldwide.

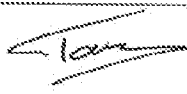



I hereby grant Assignee, along with the following Assignee representatives, the power to insert in this Assignment any further identification that may be necessary or desirable in order to

ST Docket Number: *10-GR4-1029 (54714)*

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PATENT

REEL: 031165 FRAME: 006110

Inventor Name	Residence (City, State, Country)	Inventor Signature	Date Signed
<i>Richid TAIBI</i>	<i>26 Boulevard Banon Marseille, France 13004</i>		<i>July 18, 2013</i>
<i>Cedrick CHAPPAZ</i>	<i>Residence le clos de Villard 473 chemin du plan Pontcharra, France 38530</i>		<i>August 1, 2013</i>
<i>Lea DI CIOCCIO</i>	<i>418 Chemin de l'Abis Saint Ismier, France 38330</i>		<i>07/23/2013</i>
<i>Laurent-Luc CHAPELON</i>	<i>7 allée des Lys Domene, France 38420</i>		<i>07/23/2013</i>