

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT				
NATURE OF CONVEYANCE:	Corrective Assignment to correct the serial No. 13/187,284 previously recorded on Reel 030729 Frame 0768. Assignor(s) hereby confirms the that the serial number should be 12/982,570.				
CONVEYING PARTY DATA					
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>STMicroelectronics Pvt Ltd.</td> <td>06/28/2013</td> </tr> </tbody> </table>		Name	Execution Date	STMicroelectronics Pvt Ltd.	06/28/2013
Name	Execution Date				
STMicroelectronics Pvt Ltd.	06/28/2013				
RECEIVING PARTY DATA					
Name:	STMicroelectronics International N.V.				
Street Address:	WTC Schiphol Airport, Schiphol Boulevard 265				
Internal Address:	Schiphol Airport				
City:	Amsterdam				
State/Country:	NETHERLANDS				
Postal Code:	1118BH				
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>12982570</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12982570
Property Type	Number				
Application Number:	12982570				
CORRESPONDENCE DATA					
Fax Number:	6176468646				
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>					
Phone:	617-646-8000				
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Correspondent Name:	James H. Morris				
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ATTORNEY DOCKET NUMBER:	S102271566US00				
NAME OF SUBMITTER:	Gail Driscoll				
Signature:	/Gail Driscoll/				

CH \$40.00 12982570

Date:

08/19/2013

**Total Attachments: 4**

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**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Assignor STMicroelectronics Pvt. Ltd.	06/28/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	STMicroelectronics International N.V.
<b>Street Address:</b>	WTC Schiphol Airport, Schiphol Boulevard 265
<b>City:</b>	Schiphol Airport, Amsterdam
<b>State/Country:</b>	NETHERLANDS
<b>Postal Code:</b>	1118BH
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13187284
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	6176468646

**PATENT**

<b>Phone:</b>	617-646-8000
<b>Email:</b>	gdriscoll@wolfgreenfield.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Correspondent Name:</b>	James H. Morris
<b>Address Line 1:</b>	Wolf, Greenfield & Sacks, P.C.
<b>Address Line 2:</b>	600 Atlantic Avenue
<b>Address Line 4:</b>	Boston, MASSACHUSETTS 02210
<b>ATTORNEY DOCKET NUMBER:</b>	S1022.71566US00
<b>NAME OF SUBMITTER:</b>	Gail Driscoll
<b>Signature:</b>	/Gail Driscoll/
<b>Date:</b>	07/02/2013
<b>Total Attachments: 2</b> source=10-IND-148US01 Executed Assignment#page1.tif source=10-IND-148US01 Executed Assignment#page2.tif	
<b>RECEIPT INFORMATION</b>	
<b>EPAS ID:</b>	PAT2449637
<b>Receipt Date:</b>	07/02/2013
<b>Fee Amount:</b>	\$40

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**PATENT**

## ASSIGNMENT

Application Number: 12/982570  
Application Country/Region: United States of America  
Application Title: ROUTING

Assignee: STMicroelectronics International N.V.  
Assignee being a company, corporation, or juristic entity of: Netherlands  
Assignee's principal place of business: WTC Schiphol Airport, Schiphol Boulevard 265, 1118BH Schiphol Airport, Amsterdam, Netherlands

WHEREAS, Assignor STMicroelectronics Pvt Ltd, an Indian corporation, was assigned certain rights in and to certain inventions, and application for Letters Patent of the United States entitled ROUTING, filed on December 30, 2010 as U.S. Application No. 12/982570; and

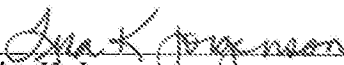
WHEREAS, Assignee STMicroelectronics International N.V., a Netherlands corporation, residing or having a principal place of business at WTC Schiphol Airport, Schiphol Boulevard 265, 1118BH Schiphol Airport, Amsterdam, Netherlands, is desirous of acquiring the entire right, title and interest in and to the inventions and the application for Letters Patent of the United States, and in and to any Letters Patent to be obtained therefor and thereon worldwide.

Now, therefore, for and in consideration of good and valuable consideration, the receipt, sufficiency, and adequacy of which are hereby acknowledged, Assignor hereby transfers and assigns to Assignee, its legal representatives, successors, and assigns, its 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.

Assignor hereby further agrees 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, Assignor agrees 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.

Assignor hereby grants 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 comply with the rules for recordation of this document any place in the world: All practitioners at Customer Number 30427.

Date: June 28, 2013

Signature:   
Printed Name: Lisa K. Jorgenson  
Title: Attorney-in-Fact