

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>Francois Dupont</td> <td>03/10/2008</td> </tr> <tr> <td>Hilal Ezzeddine</td> <td>06/10/2008</td> </tr> <tr> <td>Sylvain Charley</td> <td>03/10/2008</td> </tr> </tbody> </table>		Name	Execution Date	Francois Dupont	03/10/2008	Hilal Ezzeddine	06/10/2008	Sylvain Charley	03/10/2008
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Francois Dupont	03/10/2008								
Hilal Ezzeddine	06/10/2008								
Sylvain Charley	03/10/2008								
RECEIVING PARTY DATA									
Name:	STMicroelectronics (Tours) SAS								
Street Address:	16 Rue Pierre Et Marie Curie								
City:	Tours								
State/Country:	FRANCE								
Postal Code:	37100								
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>13907455</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13907455				
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Application Number:	13907455								
CORRESPONDENCE DATA									
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NAME OF SUBMITTER:	Jo-Ann Bergantino								
Signature:	/Jo-Ann Bergantino/								
Date:	06/13/2013								
Total Attachments: 2 source=S1022.71284US01-ASI-JHM#page1.tif source=S1022.71284US01-ASI-JHM#page2.tif									

OP \$40.00 13907455

USSN 13/907,455

Filing Date: May 31, 2013

Attorney's Docket No. S1022.71284US00

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned hereby:

Sell, assign and transfer to STMicroelectronics (TOURS) S.A.S., a French corporation having a place of business at 16 Rue Pierre Et Marie Curie, 37100 Tours, France, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent filed on 11/18/2008 as serial No. 12/273,122 and entitled INTEGRATED BIDIRECTIONAL COUPLER, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority

Agree that said Assignee may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, agree to carry out in good faith the intent and purpose of this assignment by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee

Hereby request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee

Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.

The undersigned hereby grant(s) the firm of Wolf, Greenfield & Sacks, P.C., of 600 Atlantic Avenue, Boston, Massachusetts 02210 the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent office for recordation of this document

Dated: 03/10/08

Signature

Printed Name: Francois DUPONT

Dated: 06/10/2008

Signature

Printed Name: Hilal EZZEDDINE

B8533US POLV

Dated: 03/10/2008

Signature

Printed Name: Sylvain CHARLEY

Attorney Docket No S1022 US00