

## 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>Frederic Barbier</td> <td>03/14/2008</td> </tr> <tr> <td>Yvon Cazaux</td> <td>03/22/2008</td> </tr> </tbody> </table>		Name	Execution Date	Frederic Barbier	03/14/2008	Yvon Cazaux	03/22/2008				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>STMicroelectronics S.A.</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>92120</td> </tr> </table>		Name:	STMicroelectronics S.A.	Street Address:	29, Boulevard Romain Rolland	City:	Montrouge	State/Country:	FRANCE	Postal Code:	92120
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CORRESPONDENCE DATA											
<p>Fax Number: 6176468646          Phone: 617-646-8000          Email: 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></p> <p>Correspondent Name: James H. Morris          Address Line 1: Wolf, Greenfield &amp; Sacks, P.C.          Address Line 2: 600 Atlantic Avenue          Address Line 4: Boston, MASSACHUSETTS 02210</p>											
ATTORNEY DOCKET NUMBER:	S1022.71196US01										
NAME OF SUBMITTER:	Gail Driscoll										
Total Attachments: 1 source=13605685#page1.tif											

OP \$40.00 13605685

Serial No. 13/605,685  
Filed: September 6, 2012

Attorney's Docket No S1022 71196US00

### ASSIGNMENT

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

Sell, assign and transfer to STMicroelectronics S A , a French corporation having a place of business at 29, Boulevard Romain Rolland, 92120 Montrouge, 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 December 18, 2007 as serial No. 11/959,023 and entitled PINNED PHOTODIODE CMOS IMAGE SENSOR WITH A LOW SUPPLY VOLTAGE 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 Director of Patents and Trademarks to issue said Letters Patent to said Assignee

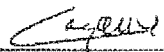
Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.

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

Date: 14/03/08

Signature   
Printed Name: Frédéric BARBIER

Date: 22/03/08

Signature   
Printed Name: Yvon CAZAUX

Attorney Docket No S1022 71196US00