

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|---|-----------------------|---------------|---------------------|----------------------|-----------------------|-----------------------|------------|----------------|------------|------------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mahalingam Bhaskaran</td> <td>06/03/2009</td> </tr> <tr> <td>Pradyumna Kumar Swain</td> <td>06/03/2009</td> </tr> <tr> <td>Peter Levine</td> <td>06/25/2009</td> </tr> <tr> <td>Norman Goldsmith</td> <td>06/02/2009</td> </tr> </tbody> </table> | | Name | Execution Date | Mahalingam Bhaskaran | 06/03/2009 | Pradyumna Kumar Swain | 06/03/2009 | Peter Levine | 06/25/2009 | Norman Goldsmith | 06/02/2009 |
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| Mahalingam Bhaskaran | 06/03/2009 | | | | | | | | | | |
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| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Sarnoff Corporation</td> </tr> <tr> <td>Street Address:</td> <td>201 Washington Street</td> </tr> <tr> <td>City:</td> <td>Princeton</td> </tr> <tr> <td>State/Country:</td> <td>NEW JERSEY</td> </tr> <tr> <td>Postal Code:</td> <td>08540</td> </tr> </table> | | Name: | Sarnoff Corporation | Street Address: | 201 Washington Street | City: | Princeton | State/Country: | NEW JERSEY | Postal Code: | 08540 |
| Name: | Sarnoff Corporation | | | | | | | | | | |
| Street Address: | 201 Washington Street | | | | | | | | | | |
| City: | Princeton | | | | | | | | | | |
| State/Country: | NEW JERSEY | | | | | | | | | | |
| Postal Code: | 08540 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12431150</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12431150 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 12431150 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| <p>Fax Number: (973)422-6719</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 973-597-2500</p> <p>Email: rcappo@lowenstein.com</p> <p>Correspondent Name: Docket Administrator</p> <p>Address Line 1: 65 Livingston Avenue</p> <p>Address Line 2: Lowenstein Sandler PC</p> <p>Address Line 4: Roseland, NEW JERSEY 07068</p> | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 18703-2044 | | | | | | | | | | |
| NAME OF SUBMITTER: | Raymond G. Cappo | | | | | | | | | | |

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ASSIGNMENT

WHEREAS, WE, Mahalingam Bhaskaran a citizen of India residing in Lawrenceville, New Jersey, **Pradyumna Kumar Swain** a citizen of the United States of America residing in Gaithersburg, Maryland, **Peter Levine** a citizen of the United States of America residing in West Windsor, New Jersey and **Norman Goldsmith** a citizen of the United States of America residing in East Brunswick, New Jersey (collectively "ASSIGNOR"), have invented, developed, and/or have rights in the invention ("THE INVENTION(S)") disclosed in United States Patent Application Serial No. 12/431,150, titled, "Method of Fabricating Back-Illuminated Imaging Sensors Using A Bump Bonding Technique", filed on April 28, 2009 (herein the "Patent");

AND WHEREAS Sarnoff Corporation, a corporation having a place of business at 201 Washington Road, Princeton, New Jersey, 08540-6449 ("ASSIGNEE") desires to acquire the entire right, title, and interest in and to "THE INVENTION" and in and to the Patent;

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) in hand and/or other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to THE INVENTION and the Patent and all patents and patent applications claiming priority to and/or benefit of the Patent including divisions, continuations, and continuations-in-part thereof and all reissues, reexaminations, and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all applications for patents (including related rights such as utility-model registrations, registrations, inventor's certificates, and the like) heretofore or hereafter filed for THE INVENTION in any foreign country/countries, and all patents (including all extensions, renewals and reissues thereof) granted for THE INVENTION and the Patent in any foreign country/countries;

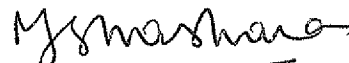
AND WE HEREBY authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty is to issue patents on applications as aforesaid, to issue all patents for THE INVENTION and/or the Patent in the name of ASSIGNEE in accordance with the terms of this assignment;

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting THE INVENTION and the Patent, sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute, reexamination, and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for THE INVENTION and the Patent.

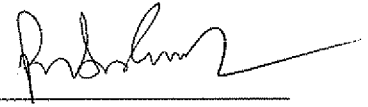
--- SIGNATURES BEGIN ON NEXT PAGE ---

In testimony whereof, I hereunto set my hand this 3rd day of June, 2009.



Name: **Mahalingam Bhaskaran**

In testimony whereof, I hereunto set my hand this 3 day of June, 2009.



Name: **Pradyumna Kumar Swain**

In testimony whereof, I hereunto set my hand this 25 day of JUNE, 2009.



Name: **Peter Levine**

In testimony whereof, I hereunto set my hand this 2 day of June, 2009.


Name: Norman Goldsmith