

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>Victor Lenchenkov</td> <td>08/15/2012</td> </tr> <tr> <td>Robert Daniel McGrath</td> <td>08/15/2012</td> </tr> </tbody> </table>		Name	Execution Date	Victor Lenchenkov	08/15/2012	Robert Daniel McGrath	08/15/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Aptina Imaging Corporation</td> </tr> <tr> <td>Street Address:</td> <td>Walker House, 87 Mary Street</td> </tr> <tr> <td>City:</td> <td>George Town, Grand Cayman</td> </tr> <tr> <td>State/Country:</td> <td>CAYMAN ISLANDS</td> </tr> <tr> <td>Postal Code:</td> <td>KY1-9002</td> </tr> </table>		Name:	Aptina Imaging Corporation	Street Address:	Walker House, 87 Mary Street	City:	George Town, Grand Cayman	State/Country:	CAYMAN ISLANDS	Postal Code:	KY1-9002
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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>13587210</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13587210						
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Application Number:	13587210										
CORRESPONDENCE DATA											
Fax Number:	4158370651										
Email:	tishihara@trezlawgroup.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
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Address Line 4:	San Francisco, CALIFORNIA 94102										
ATTORNEY DOCKET NUMBER:	2011-0042.00/US										
NAME OF SUBMITTER:	Tiffany Ishihara										
<p>Total Attachments: 3 source=2011-0042_00-US_Assignment#page1.tif source=2011-0042_00-US_Assignment#page2.tif source=2011-0042_00-US_Assignment#page3.tif</p>											

OP \$40.00 13587210

PATENT

A S S I G N M E N T

WHEREAS, We, Victor Lenchenkov and Robert Daniel McGrath, residing respectively at 988 Belmont Terrace, #6, Sunnyvale, California 94086 and 32 Old Farm Circle, Pittsford, NY 14534, have made an invention entitled:

OPTICAL ISOLATION OF OPTICALLY BLACK PIXELS IN IMAGE SENSORS

and

(1) are about to make an application for United States Letters Patent therefor, the same having been executed by us on even date herewith

OR

(2) have made an application for United States Letters Patent therefor, the same having been filed on (_____) under Application No. (_____), in connection with which we hereby authorize and request the assignee's attorneys associated with Customer Number 86929 to insert within the foregoing parentheses the filing date and Application No. of said application when known; and

WHEREAS, APTINA IMAGING CORPORATION, a corporation organized and existing under the laws of the State of Cayman Islands and having an address of Walker House, 87 Mary Street, George Town, Grand Cayman, Cayman Islands KY1-9002, is desirous of acquiring the entire interest in said invention, said United States patent application and in any Letters Patent which may issue thereon;

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) paid, and

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other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto the said APTINA IMAGING CORPORATION, its successors, assigns and legal representatives, all right, title and interest in and to said invention and any improvements thereon for all countries of the world, and in and to said United States patent application, including any continuations, continuations-in-part and divisions thereof, and any substitute applications therefor, and including the right to claim priority under the International Convention based on said patent application, and any patent which may issue thereon, and any reissues of the same; and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country, including renewals, revivals, continuations and divisions thereof, and any substitute applications therefor, and any and all patents which may issue thereon, and any reissues and extensions of the same;

and we hereby authorize and request competent authorities to grant and issue any and all patents on said invention to the said APTINA IMAGING CORPORATION as the assignee of the entire interest therein; and we further agree to execute upon request of the assignee such additional documents, if any, as are necessary and proper to secure patent protection on said invention throughout all countries of the world, and to otherwise give full effect to and perfect the rights of the assignee under this Assignment.

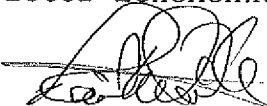
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IN TESTIMONY WHEREOF, we have hereunto signed our names on the dates indicated hereinafter.

08/15/2012
Date

8/15/2012
Date


Victor Lenchenkov


Robert Daniel McGrath