

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT2952839

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARKO MLINAR	07/15/2014
BRIAN KEELAN	07/01/2014
DOUGLAS FETTIG	07/01/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Aptina Imaging Corporation
<b>Street Address:</b>	190 Elgin Avenue
<b>City:</b>	George Town, Grand Cayman
<b>State/Country:</b>	CAYMAN ISLANDS
<b>Postal Code:</b>	KY1-9005
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14319916
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	2014-0079.01/US
<b>NAME OF SUBMITTER:</b>	VICTORIA AVALOS
<b>SIGNATURE:</b>	/Victoria Avalos/
<b>DATE SIGNED:</b>	07/24/2014
<b>Total Attachments: 4</b>	
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A S S I G N M E N T

WHEREAS, We, Marko Mlinar, Brian Keelan, and Douglas Fettig, residing respectively at Podolnica 5a, Horjul, Solvenia, 580 Burnside Bend, Boulder Creek, California 95006, and 4271 N Camas Creek Way, Meridian, Idaho 83646, have made an invention entitled:

PIXEL ARRANGEMENTS FOR IMAGE SENSORS WITH PHASE DETECTION  
PIXELS

for which we have made application for United States Letters Patent on June 30, 2014 as United States Patent Application No. 14/319,916; and

WHEREAS, APTINA IMAGING CORPORATION, a corporation organized and existing under the laws of the State of Cayman Islands and having an address of 190 Elgin Avenue, George Town, Grand Cayman, Cayman Islands KY1-9005, 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 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

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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.

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

15<sup>th</sup> July 2014  
Date

Marko Mlinar  
Marko Mlinar

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Date

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Brian Keelan

\_\_\_\_\_  
Date

\_\_\_\_\_  
Douglas Fettig

2014-0079.01/US

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.

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

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Date

1 July 2014  
Date

\_\_\_\_\_  
Date

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Marko Mlinar

Brian W. Keelan  
Brian Keelan

\_\_\_\_\_  
Douglas Fettig

2014-0079.01/US

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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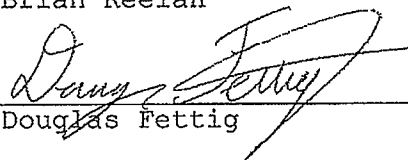
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Date

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Marko Mlinar

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Date

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Brian Keelan

07-01-2014  
Date

  
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Douglas Pettig