

## 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>Boris Lerner</td> <td>12/03/2009</td> </tr> <tr> <td>Pradip Thaker</td> <td>12/09/2009</td> </tr> <tr> <td>Gopal Gudhur Karanam</td> <td>12/04/2009</td> </tr> <tr> <td>Michael Meyer-Pundsack</td> <td>12/09/2009</td> </tr> </tbody> </table>		Name	Execution Date	Boris Lerner	12/03/2009	Pradip Thaker	12/09/2009	Gopal Gudhur Karanam	12/04/2009	Michael Meyer-Pundsack	12/09/2009
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<table border="1"> <tr> <td>Name:</td> <td>Analog Devices, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>One Technology Way</td> </tr> <tr> <td>City:</td> <td>Norwood</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02062</td> </tr> </table>		Name:	Analog Devices, Inc.	Street Address:	One Technology Way	City:	Norwood	State/Country:	MASSACHUSETTS	Postal Code:	02062
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CORRESPONDENCE DATA											
Fax Number: 2023736001 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 202.373.6000 Email: IPDocket@bingham.com Correspondent Name: Bingham McCutchen LLP Address Line 1: 2020 K Street NW Address Line 4: Washington, DISTRICT OF COLUMBIA 20006-1803											
ATTORNEY DOCKET NUMBER:	ANA-117C1										
NAME OF SUBMITTER:	Steven J. Russell										
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## ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT by Boris Lerner, Pradip Thaker, Gopal Gudhur Karanam, and Michael Meyer-Pundsack, (hereinafter collectively referred to as Assignors), residing at; 62 Richards Avenue, Sharon, Massachusetts 02067, USA; 26, Regent Place, 28/2, Thubarahalli, Airport-Whitefield Road, Bangalore 560066, Karnataka, India; 166, 1st Main, BEML 4th Stage, Raja Rajeshwari Nagar, Bangalore 560098, India; and Rathausstr. 17, Pfaffenhofen an der Glonn OT Egenburg 85235, Germany, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in METHODS AND APPARATUS FOR IMAGE PROCESSING AT PIXEL RATE, set forth in a Patent application for Letters Patent of the United States, already filed on November 17, 2009 as U.S. Application No. 12/619,825; and

WHEREAS, Analog Devices, Inc., a Corporation organized under and pursuant to the laws of Massachusetts having its principal place of business at One Technology Way, Norwood, Massachusetts 02062-9106 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the

same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals 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 and Trademark Office for recordation of this document:

GOODWIN PROCTER LLP

All practitioners at Customer Number 051414

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Boris L

Boris Lerner

Date: December 3, 2009

United States of America

State of Massachusetts ) ss.:  
County of Norfolk )

On this 3 day of December, 2009, before me  
personally came Boris Lerner, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

Laura Labier  
Notary Public



LAURA LABIER  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
June 24, 2016

ANA-117



Pradip Thaker

Date: December 3<sup>rd</sup>, 2009

ANA-117

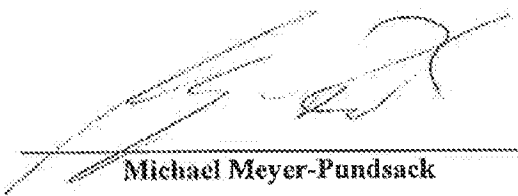


Gopal Gudhur Karanam

Date:

10/07/2009

ANA-117



Michael Meyer-Pundsack

Date:

12/09/2009