

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5404152

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ABHISHEK BANDYOPADHYAY	03/05/2019
DANIEL PETER CANNIFF	03/15/2018
MARIANA TOSHEVA MARKOVA	03/04/2019
EDWARD CHAPIN GUTHRIE	09/19/2018
RECEIVING PARTY DATA	
Name:	ANALOG DEVICES, INC.
Street Address:	ONE TECHNOLOGY WAY
City:	NORWOOD
State/Country:	MASSACHUSETTS
Postal Code:	02062
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15914833
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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Correspondent Name:	SCHWEGMAN LUNDBERG & WOESSNER, P.A.
Address Line 1:	P.O. BOX 2938
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	3867.415US1
NAME OF SUBMITTER:	DIANA JOHNSON
SIGNATURE:	/Diana Johnson/
DATE SIGNED:	03/05/2019
Total Attachments: 6	
source=3867.415US1 Assignment signed#page1.tif	
source=3867.415US1 Assignment signed#page2.tif	
source=3867.415US1 Assignment signed#page3.tif	

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RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 3867.415US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Abhishek Bandyopadhyay, Daniel Peter Canniff,
Mariana Tosheva Markova, Edward Chapin Guthrie

Additional name(s) of conveying party(ies) attached?

Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: March 5, 2019, March 15, 2018, March 4, 2019, September 19, 2018

2. Name and address of receiving party(ies):

Name: Analog Devices, Inc.

Street Address: One Technology Way

City: Norwood State: MA Zip: 02062
Country: United States of America

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

Serial No. 15/914,833

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James L. Shands

Address:

Schwegman Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, Minnesota 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 0.00

Enclosed

Authorized to be charged to deposit account 19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

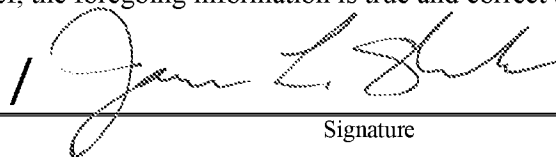
DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James L. Shands/Reg. No. 54,439

Name of Person Signing



Signature

March 5, 2019

Date

Total number of pages including cover sheet: 6

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT
REEL: 048499 FRAME: 0522

ASSIGNMENT

WHEREAS, I am a named inventor, **Abhishek Bandyopadhyay, Daniel Peter Canniff, Mariana Tosheva Markova, Edward Chapin Guthrie**, of residence listed below, having invented certain new and useful improvements as described in an application for United States Letters Patent entitled "**POWER-EFFICIENT FLASH QUANTIZER FOR DELTA SIGMA CONVERTER**," (hereinafter referred to as "Application") and having internal reference number of **APD616202US** which are described in a patent application filed on April 21, 2017, which application was assigned US application serial number 62/488,592, and which is titled **POWER-EFFICIENT FLASH QUANTIZER FOR DELTA SIGMA CONVERTER**.

WHEREAS, I hereby authorize and request the attorneys or agents associated with United States Patent and Trademark Office Customer No. **21186** to insert here in parentheses (Ser. No. 15/914,833; Filing Date: March 7, 2018) the filing date and serial number of the Application when known;

WHEREAS, **Analog Devices, Inc.**, (hereinafter referred to as "Assignee"), a **Massachusetts** Corporation, with an address of **One Technology Way, Norwood, MA 02062**, desires to acquire my entire right, title and interest in and to any and all inventions and improvements that are disclosed in the Application (hereinafter referred to as "Invention"), including any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I hereby assign and transfer, and hereby agree to assign and transfer, to Assignee, all right, title and interest in and to the Invention and in and to the Application and all patents which may be granted therefrom, and all related applications (e.g., provisional applications, divisional applications, reissues, reexaminations, continuation applications, continuation-in-part applications, extensions thereof, design applications, applications in foreign countries, international applications, national phase applications, and the like). I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents, for the Invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

I also hereby assign and transfer, and hereby agree to assign and transfer to Assignee, all right, title and interest to the Invention, the Application or any related application throughout the world, including all rights of priority resulting from the filing of the Application or any related application, including but not limited to: the right to file applications and obtain patents, utility models, industrial models and designs for the Invention in Assignee's own name throughout the world, the right to claim priority from the Application or any related application when filing applications and obtaining patents, utility models, industrial models and designs for the Invention throughout the world, and all rights to publish cautionary notices reserving ownership of the Invention and all rights to register the Invention in appropriate registries. I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in and to Assignee.

ATTORNEY DOCKET NO.
3867.415US1(APD616202US)

ASSIGNMENT

I will communicate to Assignee any facts known to me respecting any improvements to the Invention; and I will sign all lawful papers, execute all rightful assignments, execute all provisional, divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in and to Assignee and to aid Assignee to obtain and enforce proper protection for the Invention in all countries and jurisdictions throughout the world. I irrevocably appoint Analog Devices, Inc. as my attorney-in-fact to execute on my behalf any documents deemed necessary by Analog Devices, Inc. to obtain and enforce proper protection for the Invention in all countries and jurisdictions throughout the world. I agree to testify and cooperate with Assignee in any judicial proceeding, administrative proceeding, post-grant proceeding, or other proceeding concerning the Invention (including litigation with a third party over any patent issued on the Invention), and Assignee agrees to cover my reasonable costs and expenses (if any).

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of Invention: POWER-EFFICIENT FLASH
QUANTIZER FOR DELTA SIGMA
CONVERTER

Full name of inventor: Abhishek Bandyopadhyay

Inventor's signature: 

Date: 3/5/19

Inventor Home Address: 16 Nathaniel Rd.
Winchester, MA 01890

Witness's Print Name: Brian Hus

Witness's signature: 

Witness Home Address: 8 Hancock Ln

Frammingham, MA 01701

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Title of Invention: POWER-EFFICIENT FLASH
QUANTIZER FOR DELTA SIGMA
CONVERTER

Full name of inventor: Daniel Peter Canniff

Inventor's signature: *Dan Canniff*

Date: 3/15/2018

Inventor Home Address:

~~148 Marlborough St Apt 2R
Boston, MA 021161926
PC 3/15/2018 P~~

1163 BEACON ST #C1
BROOKLINE, MA 02446

Witness's Print Name:

David Paul Foley

Witness's signature: *David Foley*

Witness Home Address:

6 Armand Drive
Chelmsford, MA 01824

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Title of Invention: POWER-EFFICIENT FLASH
QUANTIZER FOR DELTA SIGMA
CONVERTER

Full name of inventor: Mariana Tosheva Markova

Inventor's signature: 

Date: 03/04/2013

Inventor Home Address: 28 Speridaksi Terrace
Cambridge, MA 02139

Witness's Print Name: _____

Witness's signature: _____

Witness Home Address: _____

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ASSIGNMENT

Title of Invention: POWER-EFFICIENT FLASH
QUANTIZER FOR DELTA SIGMA
CONVERTER

Full name of inventor: Edward Chapin Guthrie

Inventor's signature: 

Date: 8/19/2018

Inventor Home Address: 4 Monument Sq, Apt 3
Charlestown, MA 02129

Witness's Print Name: David Sovereign

Witness's signature: 

Witness Home Address: 7 Grandview Rd.
Windham, NH 03087