

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3317652

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
ANALOG DEVICES TECHNOLOGY		10/31/2014
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ANALOG DEVICES GLOBAL	
<b>Street Address:</b>	3RD FLOOR, PAR LA VILLE PLACE 14	
<b>Internal Address:</b>	PAR LA VILLE ROAD	
<b>City:</b>	HAMILTON	
<b>State/Country:</b>	BERMUDA	
<b>PROPERTY NUMBERS Total: 23</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	13090996	
Application Number:	13548624	
Application Number:	61704195	
Application Number:	13856611	
Application Number:	61772038	
Application Number:	14147228	
Application Number:	13955971	
Application Number:	13735481	
Application Number:	13782223	
Application Number:	13789210	
Application Number:	13775820	
Application Number:	13792835	
Application Number:	13799492	
Application Number:	14064490	
Application Number:	14169667	
Application Number:	14100463	
Application Number:	14260690	
Application Number:	14229048	
Application Number:	14465986	
Application Number:	14311907	

PATENT

Property Type	Number
Application Number:	14563559
Application Number:	14469975
Application Number:	62059332

**CORRESPONDENCE DATA**

**Fax Number:**  
*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.*

**Email:** request@slwip.com

**Correspondent Name:** SCHWEGMAN LUNDBERG & WOESSNER, P.A.

**Address Line 1:** P.O. BOX 2938

**Address Line 4:** MINNEAPOLIS, MINNESOTA 55402

<b>ATTORNEY DOCKET NUMBER:</b>	3867.000001
<b>NAME OF SUBMITTER:</b>	DIANA JOHNSON
<b>SIGNATURE:</b>	/Diana Johnson/
<b>DATE SIGNED:</b>	04/20/2015

**Total Attachments: 5**

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source=3867 Assignment Tech to Global SIGNED#page2.tif  
source=3867 Assignment Tech to Global SIGNED#page3.tif  
source=3867 Assignment Tech to Global SIGNED#page4.tif  
source=3867 Assignment Tech to Global SIGNED#page5.tif

RECORDATION FORM COVER SHEET  
PATENTS ONLY

Atty Ref/Docket No.: 3867.000001

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):

Analog Devices Technology

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

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement ☐ Change of Name

☐ Other

Execution Date: October 31, 2014

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

Name: Analog Devices Global

Street Address: 3rd Floor, Par La Ville Place 14  
Par La Ville Road

City: Hamilton

Country: Bermuda

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)

B. Patent No.(s)

See attached Schedule A

Additional numbers attached? ☒ Yes ☐ No

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

Name: Stephen C. Durant

Address:

Schwegman Lundberg & Woessner, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402--0938

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

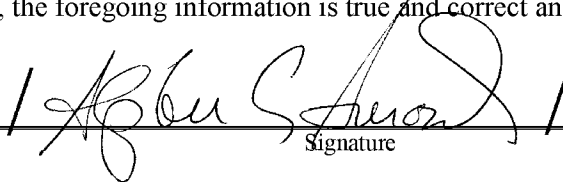
**DO NOT USE THIS SPACE**

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.

Stephen C. Durant /Reg. No. 31,506

Name of Person Signing



Signature

April 18, 2015

Date

Total number of pages including cover sheet: 5

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: 035448 FRAME: 0483**

ASSIGNMENT OF RIGHTS

This ASSIGNMENT OF RIGHTS (this "*Assignment*") is made effective as of October 31, 2014 (the "*Effective Date*") by and between Analog Devices Technology, a private unlimited company incorporated in Ireland and tax resident in Bermuda, with registered number 520169 and having its registered office at Bay F1 Raheen Industrial Estate, Limerick ("*AD Tech*") and Analog Devices Global, a private unlimited company incorporated in Ireland and tax resident in Bermuda, with registered number 547543 and having its registered office at Bay F1 Raheen Industrial Estate, Limerick ("*AD Global*").

WHEREAS, AD Tech owns certain Intellectual Property (as defined below); and

WHEREAS, AD Tech wishes to transfer AD Tech's entire right, title and interest in and to such Intellectual Property to AD Global for no consideration.

NOW THEREFORE, in consideration of the mutual agreements and covenants set forth herein and other good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, and intending to be legally bound hereby, the parties agree as follows:

1. Certain Definitions.

(a) "*Intellectual Property*" means all IP Rights, Know-How, and related intangibles.

(b) "*IP Rights*" means any patent, copyright, mask work, or utility model, any application or registration for any patent, copyright, mask work or utility model, or any substitution, divisional, continuation, continuation-in-part, reissue, reexamination or extension (including supplementary protection certificate) of any of the foregoing, subsisting anywhere in the world.

(c) "*Know-How*" means all proprietary information relating to electronic device technology, including trade secrets, technical information and knowledge, including specifications, drawings, technical data and details of manufacturing processes, and all associated data, but excluding IP Rights.

2. AD Tech hereby assigns to AD Global all of AD Tech's right, title and interest in and to all Intellectual Property owned by AD Tech as of the Effective Date, including the right to seek and obtain damages for any past infringement of the IP Rights and/or any past misappropriation of the Know-How.

3. For clarity, the assignment under Paragraph 2 includes the sole right to file (a) substitutions, divisionals, continuations, continuations-in-part, reissues, reexaminations, extensions (including supplementary protection certificate) of and foreign counterparts to any of the IP Rights and (b) applications and/or registrations for any patent, copyright, mask work, utility model, trademark, and/or any other intellectual and/or industrial property right in respect of any of the Know-How, in each case ((a) and (b)) anywhere in the world (collectively "*Related Rights*").

4. AD Tech hereby authorizes and requests the United States Commissioner for Patents and any official of any country and/or countries foreign to the United States whose duty it is to issue patents and/or other evidence and/or forms of intellectual and/or industrial property protection on the IP Rights applications and the Related Rights to issue the same to AD Global, its successors, legal representatives and assigns.

5. AD Tech hereby represents and warrants that it has full right to convey the entire interests herein assigned, and that it has not executed, and will not execute, any agreement in conflict herewith.

6. AD Tech hereby covenants that it will communicate to AD Global, its successors, legal representatives and assigns, any facts known to AD Tech respecting the Intellectual Property and the Related Rights, testify in any legal proceeding, sign all lawful papers, make all rightful oaths, and generally do everything requested by AD Global to aid AD Global, its successors, legal representatives and assigns, to obtain full legal and beneficial title to, and enforce proper protection for, the Intellectual Property and the Related Rights anywhere in the world.

7. AD Tech hereby agrees that AD Global is the intended beneficiary of this instrument and may enforce its provisions against AD Tech.

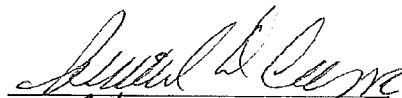
8. This instrument shall be governed by and interpreted in accordance with the laws of the State of Delaware, without regard to any conflict of laws principles that would require the application of the laws of any other jurisdiction; provided, however, that any matter arising under this instrument that relates solely to a patent granted or patent application filed in a jurisdiction shall be governed by the laws of such jurisdiction applicable to such patent or patent application.

9. This instrument may be executed or accepted in any number of counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same instrument.

*[Signature page follows]*

IN WITNESS WHEREOF, each party has caused this Assignment to be executed in its name by its properly and duly authorized officer or representative as of the date first set forth above:

Signed for and on behalf of  
ANALOG DEVICES TECHNOLOGY



By: Richard Curran

in the presence of:



Kevin P. Lanouette  
Name of witness

10 Jennys Hill Road, Windham, NH 03087  
Address of witness

Attorney  
Occupation of witness

Signed for and on behalf of  
ANALOG DEVICES GLOBAL



By: William Martin

in the presence of:



Kevin P. Lanouette  
Name of witness

10 Jennys Hill Road, Windham, NH 03087  
Address of witness

Attorney  
Occupation of witness

[Signature Page to Assignment of Rights -- Step 15]

# Schedule A

Application No.	Filing Date	MATTER TITLE	Client Ref No.	FILE #
13/090,996	4/20/2011	DC-DC VOLTAGE CONVERTER SYSTEM WITH A HIGH-EFFICIENCY PULSE-SKIP OPERATIONAL MODE	APD4212-1-US	3867.018US1
13/548,624	7/13/2012	CURRENT CONTROLLING CIRCUIT FOR A LIGHT-EMITTING DIODE DRIVER AND PRODUCING METHOD THEREFOR	APD4208-1-US	3867.022US1
61/704,195	9/21/2012	H-BRIDGE BUCK-BOOST CONVERTER	APD4667-2-US	3867.029PRV
13/856,611	4/4/2013	WINDOWLESS H-BRIDGE BUCK-BOOST SWITCHING CONVERTER	APD4667-3-US	3867.029US1
61/772,038	3/4/2013	WINDOWLESS BUCK-BOOST CONVERTER	APD4667-1-US	3867.030PRV
14/147,228	1/3/2014	CHARGE PUMP	APD4796-1-US	3867.034US1
13/955,971	7/31/2013	SYNCHRONOUS RECTIFIER CONTROL FOR A DOUBLE-ENDED ISOLATED POWER CONVERTER	APD4842-1-US	3867.035US1
13/735,481	1/7/2013	DUTY CYCLE BALANCE MODULE FOR SWITCH MODE POWER CONVERTER	APD4570-1-US	3867.041US1
13/782,223	3/1/2013	NEGATIVE CURRENT PROTECTION SYSTEM FOR LOW SIDE SWITCHING CONVERTER FET	APD4589-1-US	3867.042US1
13/789,210	3/7/2013	SKIP MODE METHOD AND SYSTEM FOR A CURRENT MODE SWITCHING CONVERTER	APD4666-1-US	3867.043US1
13/775,820	2/25/2013	INDUCTOR CURRENT EMULATION CIRCUIT FOR A SWITCHING CONVERTER	APD4669-1-US	3867.045US1
13/792,835	3/11/2013	PING PONG COMPARATOR VOLTAGE MONITORING CIRCUIT	APD4412-1-US	3867.050US1
13/799,492	3/13/2013	WIDE OUTPUT VOLTAGE RANGE SWITCHING POWER CONVERTER	APD4292-1-US	3867.051US1
14/064,490	10/28/2013	LOAD CURRENT READBACK AND AVERAGE ESTIMATION	APD4934-1-US	3867.059US1
14/169,667	1/31/2014	VOLTAGE-BASED FUEL GAUGE ON BATTERY CAPACITY	APD4977-1-US	3867.064US1
14/100,463	12/9/2013	ISOLATED POWER SUPPLY WITH INPUT VOLTAGE MONITOR	APD4912-1-US	3867.066US1
14/260,690	4/24/2014	EMULATED PEAK CURRENT LIMIT SCHEME FOR SWITCHING REGULATOR	APD4825-1-US	3867.073US1
14/229,048	3/28/2014	MULTIPLE POWER PATH MANAGEMENT WITH MICRO-ENERGY HARVESTING	APD5003-1-US	3867.074US1
14/465,986	8/22/2014	ULTRA LOW POWER PROGRAMMABLE SUPERVISORY CIRCUIT	APD4631-1-US	3867.075US1
14/311,907	6/23/2014	LOW QUIESCENT CURRENT PULL-DOWN CIRCUIT	APD5063-1-US	3867.076US1
14/563,559	12/8/2014	A Resistor-Programmable Timer Circuit with Gain-Ranging Scheme	APD5085-1-US	3867.078US1
14/469,975	8/27/2014	DC-DC SWITCHED CAPACITOR VOLTAGE CONVERTER WITH SERIES AND PARALLEL SWITCHED CAPACITORS DURING DISCHARGE	APD5073-1-US	3867.081US1
62/059,332	10/3/2014	DEVICE PROTECTION USING SAFE OPERATING AREA	APD5158-1-US	3867.086PRV

**PATENT**

**RECORDED: 04/20/2015**

**REEL: 035448 FRAME: 0487**