PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BENJAMIN P. WALKER	06/17/2014
ROBERT J. BROUGHTON	06/17/2014
EDMUND J. BALBONI	06/23/2014

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:	14312313

CORRESPONDENCE DATA

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KNOBBE, MARTENS, OLSON & BEAR, LLP **Correspondent Name:**

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Address Line 2: 14TH FLOOR

Address Line 4: **IRVINE, CALIFORNIA 92614**

ATTORNEY DOCKET NUMBER:	ADINC.250A
NAME OF SUBMITTER:	DAVID TROSSEN
SIGNATURE:	/David Trossen/
DATE SIGNED:	06/24/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 8

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> **PATENT REEL: 033166 FRAME: 0436**

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PATENT REEL: 033166 FRAME: 0437

Application Data Sheet filed previously or concurrently

Docket No.: ADINC.250A Page 1 of 5

Title: APPARATUS AND METHODS FOR SWITCH-COUPLED OSCILLATORS

Inventors: Benjamin P. Walker, Robert J. Broughton, Edmund J. Balboni

Declaration

This Declaration is directed to the application identified above that:

Is attached, where "attached" means filed concurrently with.

As a named inventor, I declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

Assignment from Inventors

WHEREAS, the above-identified inventors (individuals hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental designs, or discoveries, and hereby assign or are under an obligation to assign to the below identified Assignee the above-titled application (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States (identified above) has been prepared for filing with the United States Patent and Trademark Office (hereinafter the "Application").

AND WHEREAS, **Analog Devices, Inc.**, a Massachusetts corporation, with its principal place of business at One Technology Way, Norwood, MA 02062 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all patent properties filed or issued upon the Application and the Work; where "Patent Properties" include, but are not limited to:

all provisional applications relating thereto;

all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the present Application, including, all divisions, continuations, continuations-in-part, and reissues, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof; and

all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof.

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned patent properties, and authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on

Application Data Sheet filed previously or concurrently

Docket No.: ADINC.250A Page 2 of 5

Title: APPARATUS AND METHODS FOR SWITCH-COUPLED OSCILLATORS

Inventors: Benjamin P. Walker, Robert J. Broughton, Edmund J. Balboni

applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patent Property relating to the Application and the Work or any improvements made thereto, sign/execute all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

Application Data Sheet filed previously or concurrently

Docket No.: ADINC,250A	Page 3 of 5
Title: APPARATUS AND METHODS FOR SWITCH-COUPLED OSCILLATORS	
Inventors: Benjamin P. Walker, Robert J. Broughton, Edmund J. Balboni	
Legal Name of inventor: Benjamin P. Walker	
IN TESTIMONY WHEREOF, I hereunto set my hand and seal this day of 1878	
2033	
Signature: Audin W	

Please sign before a Notary, and have Notary attach Acknowledgement.

JEAN M MEZZETTI

Notary Public

Commonwealth of Massachusetts

My Commission Expires

October 15, 2015

On this The day of JUNE 20 4, bef	fore me, the undersigned notary public
personally appeared You Warning Walker	proved to me
through satisfactory evidence of identification, which were	<u></u>
the person whose name is signed on the preceding or attached do	cument and acknowledge to me that
he/she signed it voluntarily for its stated purpose.	

Jean M Mezzetti, Notary Public

My Commission Expires October, 15, 2015

JEAN M MEZZETTI

Notary Public

Commonwealth of Massachusetts

My Commission Expires

Jotober 15, 2015

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e)) Application Data Sheet filed previously or concurrently Docket No.: ADINC.250A Page 4 of 5 Title: APPARATUS AND METHODS FOR SWITCH-COUPLED OSCILLATORS Inventors: Benjamin P. Walker, Robert J. Broughton, Edmund J. Balboni Legal Name of inventor: Robert J. Broughton IN TESTIMONY WHEREOF, I hereunto set my hand and seal this day of 20

Please sign before a Notary, and have Notary attach Acknowledgement.

JEAN M MEZZETTI
Notary Pubito
Notary Pubito
Genmanwezht of Massachusetts
My Commission Expires
October 15, 2015

Signature:

PATENT REEL: 033166 FRAME: 0442

On this	rsigned notary public, proved to me
through satisfactory evidence of identification, which were \(\)\(\)\(\)\(\)\(\)	, to be
the person whose name is signed on the preceding or attached document and acknowledge.	wledge to me that
he/she signed it voluntarily for its stated purpose.	

Jean M Mezzetti, Notary Public

My Commission Expires October, 15, 2015

JEAN M MEZZETTI

Notary Public

Commonwealth of Massachusetts
My Commission Expires

October 18, 2015

Application Data Sheet filed previously or concurrently

Docket No.: ADINC:250A

Page 5 of 5

Title: APPARATUS AND METHODS FOR SWITCH-COUPLED OSCILLATORS

Inventors: Benjamin P. Walker, Robert J. Broughton, Edmund J. Balboni

Legal Name of inventor: Edmund J. Balboni

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this

20 🖳

Signature:

Please sign before a Notary, and have Notary attach Acknowledgement.

18232684 061714

JEAN M MEZZETTI Notary Public Commonwealth of Massachusetts My Commission Expires October 15, 2015

the undersigned notary public
<u>) ()</u> , to be
and acknowledge to me that

JEAN M MEZZETTI

Notary Public

Commonwealth of Massachusetts

My Commission Expires

October 15, 2015

Jeán M Mezzetti, Notary Public

My Commission Expires October, 15, 2015

REEL: 033166 FRAME: 0445