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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.	
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
	Name: Analog Devices, Inc.
Anh Pham	Internal Address;
Additional name(s) of conveying party(ies) attached? Yes No  3. Nature of conveyance/Execution Date(s):	Street Address: One Technology Way
Execution Date(s) November 12, 2012	Street Address: One Commonly 1723
Assignment Merger  Security Agreement Change of Name	City: Norwood
Joint Research Agreement	State: MA
Government Interest Assignment	
Executive Order 9424, Confirmatory License	Country: U.S. Zip: 02062
Other	Additional name(s) & address(es) attached?  Yes No
4. Application or patent number(s):	document serves as an Oath/Declaration (37 CFR 1.63).
A. Patent Application No.(s)	B. Patent No.(s)
13/341995	
Additional numbers attached? Yes No	
5. Name and address to whom correspondence	6. Total number of applications and patents
concerning document should be mailed: Name: Knobbe Martens Olson & Bear LLP	involved:
	7. Total fee (37 CFR 1.21(h) & 3.41) \$40
Internal Address:	
	Authorized to be charged to deposit account
Street Address: 2040 Main Street, 14th Floor	Enclosed
	None required (government Interest not affecting title)
City: Irvine	8. Payment Information
State: CA Zip; 92614	
Phone Number: (949) 760-0404	)
Docket Number: ADINC,147P1	Deposit Account Number 11-1410
Emall Address: efiling@kmob.com	Authorized User Name Knobbs Martens Olson & Bear LLP
9. Signature:	December 3, 2012
Signature	Date
David Trossen	Total number of pages including cover sheet, attachments, and documents:
Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:	
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450	

**PATENT** REEL: 029434 FRAME: 0245 Application No.: 13/341,995 Filing Date: December 31, 2011

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## QUITCLAIM ASSIGNMENT

This Quitclaim Assignment is by Anh Pham, a citizen of the United States residing in San Jose, CA, as an individual, (hereinafter "ASSIGNOR") with respect to certain inventive subject matter (hereinafter said "SUBJECT MATTER") disclosed in US Application No. 13/341,995, filed December 31, 2011 and entitled "INDUCTANCE ENHANCED ROTARY TRAVELING WAVE OSCILLATOR CIRCUIT AND METHOD" (hereinafter the "PATENT APPLICATION"), and to all related patents and patent applications.

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 clarify its ownership of the entire right, title and interest in said SUBJECT MATTER and in said PATENT APPLICATION and to obtain a quitclaim of any right, title, and interest the ASSIGNOR may have in or to said SUBJECT MATTER and said PATENT APPLICATION.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR does hereby quitclaim, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, any and all right, title, and interest ASSIGNOR may have throughout the world in said SUBJECT MATTER and said PATENT APPLICATION, including all nonprovisional applications claiming priority thereto, including, all divisions, continuations, continuations-in-part, reissues, and reexaminations thereof, 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; and ASSIGNOR hereby 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 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 quitclaim, 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 testify in any legal proceeding, assist in the preparation of any other applications relating to the SUBJECT MATTER or any improvements made thereto, sign all lawful papers, execute and make all rightful oaths and/or declarations in connection with said Letters Patent, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to enforce said Letters Patent.

AND, as part of this Quitclaim Assignment, ASSIGNOR makes no representations or warrantles, either express or implied, as the adequacy of sufficiency of said PATENT APPLICATION. This Quitclaim Assignment provides no warranties, including warranties of title.

PATENT REEL: 029434 FRAME: 0246 Application No.: 13/341,995 Filling Date: December 31, 2011

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 12 day of 11, 2012.

Anh Pham

Witness Signature

Name of Witness

14311172 110912

> PATENT REEL: 029434 FRAME: 0247

**RECORDED: 12/03/2012**