

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Hyman Shanan	05/04/2012
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:	13464541
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ATTORNEY DOCKET NUMBER:	ADIRE.039A
NAME OF SUBMITTER:	Aaron M. Davis
Signature:	/Aaron M. Davis/
Date:	04/30/2013
Total Attachments: 2 source=2012-05-04 Executed Assignment-ADIRE.039A#page1.tif source=2012-05-04 Executed Assignment-ADIRE.039A#page2.tif	

OP \$40.00 13464541

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**ASSIGNMENT**

WHEREAS, Hyman Shanan, an Irish citizen, residing in Franklin Park, NJ, (individual hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas or discoveries related to FREQUENCY TUNING FOR LC CIRCUITS (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States 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, the receipt of which 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 provisional applications relating thereto, and 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. ASSIGNOR also hereby authorizes and requests Assignee's legal representatives, of Knobbe Martens Olson & Bear LLP, associated with Customer No. 20,995, to insert the U.S. Patent Application Serial Number and filing date in the blanks provided above, when known.

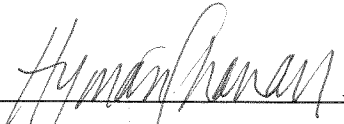
AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue 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 provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, 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 No.: 13/464,541  
Filing Date: May 4, 2012

Docket Number: ADIRE.039A  
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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 4<sup>th</sup> day of MAY, 2012.

  
\_\_\_\_\_  
Hyman Shanan

WITNESS:   
\_\_\_\_\_  
Witness Signature  
Michael Henneidy 5/4/2012  
Printed Name and Date

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