

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Andreas Olofsson	03/31/2008
Baruch Yanovitch	05/24/2008
RECEIVING PARTY DATA	
Name:	Analog Devices, Inc.
Street Address:	One Technology Way
City:	Norwood
State/Country:	MASSACHUSETTS
Postal Code:	02062-9106
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12008334
CORRESPONDENCE DATA	
Fax Number:	(617)646-8646
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	617-646-8000
Email:	patents_BillM@wolfgreenfield.com
Correspondent Name:	Wolf, Greenfield & Sacks, P.C.
Address Line 1:	600 Atlantic Avenue
Address Line 4:	Boston, MASSACHUSETTS 02210
ATTORNEY DOCKET NUMBER:	A0312.70600US01
NAME OF SUBMITTER:	William R. McClellan, Reg. No. 29,409

CH \$40.00 12008334

Total Attachments: 4  
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**ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, and in fulfillment of my employment agreement, I the undersigned hereby:

1. Sell, assign and transfer to Analog Devices, Inc., a Massachusetts corporation having a place of business at One Technology Way, Norwood, MA 02062-9106, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on January 10, 2008 under Serial No. 12/008,334, bearing Attorney Docket No. A0312.70600US01, and entitled BANDWIDTH EFFICIENT INSTRUCTION-DRIVEN MULTIPLICATION ENGINE, and in and to said application and all non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority;
2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;
3. Request the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said Assignee;
4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;
5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal.

March 31st  
Date

[Signature]  
Inventor: Andreas Olofsson

Address: 36 Hill Street  
Lexington, MA 02421

Citizenship: Sweden

STATE/Commonwealth of Massachusetts :  
COUNTY OF Middlesex :

On this 31 day of March, 2008 before me, the undersigned notary public, personally appeared ANDREAS OLOFSSON, proved to me through satisfactory evidence of identification, which were known by me, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL [Signature]  
Notary Public

My commission expires June 28, 2013

\_\_\_\_\_  
Date

\_\_\_\_\_  
Inventor: Baruch Yanovitch

Address: Hait 5/1  
Ranana, Israel

Citizenship: Israel

**ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, and in fulfillment of my employment agreement, I the undersigned hereby:

1. Sell, assign and transfer to Analog Devices, Inc., a Massachusetts corporation having a place of business at One Technology Way, Norwood, MA 02062-9106, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on January 10, 2008 under Serial No. 12/008,334, bearing Attorney Docket No. A0312.70600US01, and entitled BANDWIDTH EFFICIENT INSTRUCTION-DRIVEN MULTIPLICATION ENGINE, and in and to said application and all non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority;
2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;
3. Request the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said Assignee;
4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;
5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal.

\_\_\_\_\_  
 Date Inventor: Andreas Olofsson  
 Address: 36 Hill Street  
 Lexington, MA 02421  
 Citizenship: Sweden

STATE/Commonwealth of \_\_\_\_\_ :

County of \_\_\_\_\_ :

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_, before me, the undersigned notary public, personally appeared \_\_\_\_\_, proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL \_\_\_\_\_  
 Notary Public

My commission expires \_\_\_\_\_

24/05/08  
 Date Inventor: Baruch Yanovitch  
 Address: Hait 5/1  
 Ranana, Israel  
 Citizenship: Israel

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