

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Trevor Clifford Caldwell</td> <td>05/29/2013</td> </tr> <tr> <td>Richard E. Schreier</td> <td>05/29/2013</td> </tr> <tr> <td>David Alldred</td> <td>05/29/2013</td> </tr> <tr> <td>Wenhua W. Yang</td> <td>05/29/2013</td> </tr> </tbody> </table>		Name	Execution Date	Trevor Clifford Caldwell	05/29/2013	Richard E. Schreier	05/29/2013	David Alldred	05/29/2013	Wenhua W. Yang	05/29/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>ANALOG DEVICES TECHNOLOGY</td> </tr> <tr> <td>Street Address:</td> <td>3rd Floor, Par La Ville Place 14</td> </tr> <tr> <td>Internal Address:</td> <td>Par La Ville Road</td> </tr> <tr> <td>City:</td> <td>Hamilton</td> </tr> <tr> <td>State/Country:</td> <td>BERMUDA</td> </tr> </table>		Name:	ANALOG DEVICES TECHNOLOGY	Street Address:	3rd Floor, Par La Ville Place 14	Internal Address:	Par La Ville Road	City:	Hamilton	State/Country:	BERMUDA
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 9722264837 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 214-823-1241 Email: bonnie@patcapgroup.com Correspondent Name: Thomas J. Frame Address Line 1: 2816 Lago Vista Lane Address Line 2: Patent Capital Group Address Line 4: Rockwall, TEXAS 75032</p>											
ATTORNEY DOCKET NUMBER:	26256.0152NP-APD4878-1US										
NAME OF SUBMITTER:	Sean C. Crandall										
Signature:	/Sean C. Crandall/										

PATENT

Date:

05/30/2013

Total Attachments: 5

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ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

WHEREAS, Analog Devices Technology (hereinafter referred to as "Assignee"), an Ireland Corporation, with an address of 3rd Floor, Par La Ville Place 14, Par La Ville Road, Hamilton, Bermuda, desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One United States Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefore, and all provisional, divisions, reissues, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

I also assign to Assignee, all right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all provisional, divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

ATTORNEY DOCKET NO.
26256.0152-NP (APD4878-1-US)

ASSIGNMENT

2

Title of Invention:

ELECTRIC SIGNAL CONVERSION

Full name of inventor:

TREVOR CLIFFORD CALDWELL

Inventor's signature:



Date:

May 29, 2013

Post Office Address:

2007-24 Wellesley Street W.
Toronto, ON M4Y 2X6
CANADA

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26256.0152-NP (APD4878-1-US)

ASSIGNMENT

3

Title of Invention:

ELECTRIC SIGNAL CONVERSION

Full name of inventor:

RICHARD E. SCHREIER

Inventor's signature:

Richard Schreier

Date:

May 29 2013

Post Office Address:

609 Broadway Avenue
Toronto, Ontario M4G 2S4
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26256.0152-NP (APD4878-1-US)

ASSIGNMENT

4

Title of Invention:

ELECTRIC SIGNAL CONVERSION

Full name of inventor:

DAVID ALLDRED

Inventor's signature:



Date:

May 29, 2013

Post Office Address:

PH104-770 Bay Street
Toronto, Ontario M5G 0A6
CANADA

ATTORNEY DOCKET NO.
26256.0152-NP (APD4878-1-US)

ASSIGNMENT

5

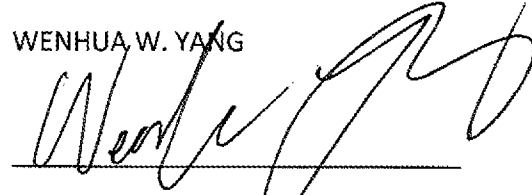
Title of Invention:

ELECTRIC SIGNAL CONVERSION

Full name of inventor:

WENHUA W. YANG

Inventor's signature:

A handwritten signature in black ink, appearing to read 'Wenhua W. Yang', written over a horizontal line.

Date:

05/29/2013

Post Office Address:

400 Sharpeners Pond Road
North Andover, MA 01845
USA

PATENT

RECORDED: 05/30/2013

REEL: 030510 FRAME: 0971