

PATENT ASSIGNMENT COVER SHEET

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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>JAYANTH KUMPPAMBATTI</td> <td>02/24/2014</td> </tr> <tr> <td>JUNHUA SHEN</td> <td>11/05/2013</td> </tr> <tr> <td>PETER KINGET</td> <td>09/23/2013</td> </tr> </tbody> </table>		Name	Execution Date	JAYANTH KUMPPAMBATTI	02/24/2014	JUNHUA SHEN	11/05/2013	PETER KINGET	09/23/2013				
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<table border="1"> <tr> <td>Name:</td> <td>THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK</td> </tr> <tr> <td>Street Address:</td> <td>535 WEST 116TH STREET</td> </tr> <tr> <td>Internal Address:</td> <td>412 LOW MEMORIAL LIBRARY</td> </tr> <tr> <td>City:</td> <td>NEW YORK</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>10027</td> </tr> </table>		Name:	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	Street Address:	535 WEST 116TH STREET	Internal Address:	412 LOW MEMORIAL LIBRARY	City:	NEW YORK	State/Country:	NEW YORK	Postal Code:	10027
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CORRESPONDENCE DATA													
<p>Fax Number:</p> <p>Phone: 2125098800</p> <p>Email: info@byrnepoh.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: BYRNE POH LLP</p> <p>Address Line 1: 11 BROADWAY SUITE 1115</p> <p>Address Line 4: NEW YORK, NEW YORK 10004</p>													
ATTORNEY DOCKET NUMBER:	0315120.277-US2												
NAME OF SUBMITTER:	MATTHEW T. BYRNE												
Signature:	/Matthew T Byrne/												

Date:

02/27/2014

Total Attachments: 9

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ASSIGNMENT

WHEREAS, we, the undersigned (collectively "the Assignors"), are the inventors of a certain new and useful invention and discovery entitled "SYSTEMS AND METHODS FOR PROVIDING A PIPELINED ANALOG-TO-DIGITAL CONVERTER" ("the Invention") for which an International Application was filed with the United States Patent and Trademark Office on 3/19/2012 as International Application Number PCT/US2012/029654 ("the Application").

WHEREAS, The Trustees of Columbia University in the City of New York, existing under the laws of New York, having its principal office at 412 Low Memorial Library, 535 West 116th Street, New York, NY 10027, which together with its successors and assigns (collectively "the Assignee") is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby assign to Assignee all of Assignors' entire right, title, and interest in and to the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any applications and/or patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including utility applications, divisionals, continuations, continuations-in-part, international applications, and/or foreign regional and/or national applications); any application from which the Application claims priority (including provisional applications, non-provisional applications, international applications, foreign regional applications, and/or foreign national applications); or any application based in whole or in part on any of the foregoing.

Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge, and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors' employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

App. No.: PCT/US2012/029654
Filed: 3/19/2012

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 24 day of 02 (month), 2014 (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

Jayanth Kuppambatti
520 West 122nd Street, Apt. 52b
New York, NY 10027

On this 24 day of 2nd (month), 2014 (year), Jayanth Kuppambatti, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: O.B.L.

Printed Name: BARADWAT VIGRAHAM

Residential Address: 435 W, 119th Street, Apartment 9A, New York, NY 10027

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this ____ day of ____ (month), ____ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

Junhua Shen
348 Franklin Street, Apt. 3A
Cambridge, MA 02139

On this ____ day of ____ (month), ____ (year), Junhua Shen, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: _____

Printed Name: _____

Residential Address: _____

App. No.: PCT/US2012/029654
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IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this ____ day of ____
(month), ____ (year). I represent and warrant that I have full power to make this assignment
and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right
heretofore given.

Peter Kinget
11 Franklin Place
Summit, NJ 07901

On this ____ day of ____ (month), ____ (year), Peter Kinget, personally known to me to be the
same individual who executed the foregoing Assignment, and who acknowledged to me that
execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: _____

Printed Name: _____

Residential Address: _____

ASSIGNMENT

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Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge, and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors' employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

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Jayanth Kuppambatti
520 West 122nd Street, Apt. 52b
New York, NY 10027

On this _____ day of _____ (month), _____ (year), Jayanth Kuppambatti, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: _____

Printed Name: _____

Residential Address: _____

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 5th day of Nov (month), 2013 (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

WJH

Junhua Shen
348 Franklin Street, Apt. 3A
Cambridge, MA 02139

On this 5th day of Nov (month), 2013 (year), Junhua Shen, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: Kai Zhang

Printed Name: KAI ZHANG

Residential Address: 804 Woburn St, Wilmington, MA 01887

App. No.: PCT/US2012/029654
Filed: 3/19/2012

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this ____ day of ____
(month), ____ (year). I represent and warrant that I have full power to make this assignment
and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right
heretofore given.

Peter Kinget
11 Franklin Place
Summit, NJ 07901

On this ____ day of ____ (month), ____ (year), Peter Kinget, personally known to me to be the
same individual who executed the foregoing Assignment, and who acknowledged to me that
execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: _____

Printed Name: _____

Residential Address: _____

ASSIGNMENT

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Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge, and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors' employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this _____ day of _____ (month), _____ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

Jayanth Kuppambatti
520 West 122nd Street, Apt. 52b
New York, NY 10027

On this _____ day of _____ (month), _____ (year), Jayanth Kuppambatti, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: _____

Printed Name: _____

Residential Address: _____

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this _____ day of _____ (month), _____ (year). I represent and warrant that I have full power to make this assignment and that the rights, titles, and interests assigned are not encumbered by any grant, license, or right heretofore given.

Junhua Shen
348 Franklin Street, Apt. 3A
Cambridge, MA 02139

On this _____ day of _____ (month), _____ (year), Junhua Shen, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: _____

Printed Name: _____

Residential Address: _____

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 23 day of 09
(month), 2012 (year). I represent and warrant that I have full power to make this assignment
and that the rights, titles, and interests assigned ~~are not~~ are not encumbered by any grant, license, or right
heretofore given.


Peter Kinget
11 Franklin Place
Summit, NJ 07901

On this _____ day of _____ (month), _____ (year), Peter Kinget, personally known to me to be the
same individual who executed the foregoing Assignment, and who acknowledged to me that
execution of the same was of his own free will for the use and purposes therein set forth.

Witness Signature: Chun Wei Hsu

Printed Name: Chun Wei Hsu

Residential Address: 423 W 118th St Apt 6D New York NY 10027