

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Jan P Allebach</td> <td>02/19/2013</td> </tr> <tr> <td>George T Chiu</td> <td>01/15/2013</td> </tr> <tr> <td>Yuehwern Yih</td> <td>01/24/2013</td> </tr> <tr> <td>Yan-Fu Kuo</td> <td>01/15/2013</td> </tr> <tr> <td>Chao-Lung Yang</td> <td>01/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Jan P Allebach	02/19/2013	George T Chiu	01/15/2013	Yuehwern Yih	01/24/2013	Yan-Fu Kuo	01/15/2013	Chao-Lung Yang	01/14/2013
Name	Execution Date												
Jan P Allebach	02/19/2013												
George T Chiu	01/15/2013												
Yuehwern Yih	01/24/2013												
Yan-Fu Kuo	01/15/2013												
Chao-Lung Yang	01/14/2013												
RECEIVING PARTY DATA													
Name:	Purdue Research Foundation												
Street Address:	1281 Win Hentschel Blvd												
City:	West Lafayette												
State/Country:	INDIANA												
Postal Code:	47906												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US2010045558</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US2010045558								
Property Type	Number												
PCT Number:	US2010045558												
CORRESPONDENCE DATA													
Fax Number:	7654633486												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	765-588-3475												
Email:	otcip@prf.org												
Correspondent Name:	Purdue Research Foundation												
Address Line 1:	1281 Win Hentschel Blvd												
Address Line 4:	West Lafayette, INDIANA 47906												
ATTORNEY DOCKET NUMBER:	2013-ALLE-66453-01												
NAME OF SUBMITTER:	Gina Smutz												
Total Attachments: 9													

OP \$40.00 US2010045558

source=2013-ALLE-66453-01 Executed Assignment#page1.tif
source=2013-ALLE-66453-01 Executed Assignment#page2.tif
source=2013-ALLE-66453-01 Executed Assignment#page3.tif
source=2013-ALLE-66453-01 Executed Assignment#page4.tif
source=2013-ALLE-66453-01 Executed Assignment#page5.tif
source=2013-ALLE-66453-01 Executed Assignment#page6.tif
source=2013-ALLE-66453-01 Executed Assignment#page7.tif
source=2013-ALLE-66453-01 Executed Assignment#page8.tif
source=2013-ALLE-66453-01 Executed Assignment#page9.tif

ASSIGNMENT

WHEREAS, WE, JAN P. ALLEBACH, citizen of the United States; **GEORGE T. CHIU**, citizen of the United States; **YUEHWERN YIH**, citizen of the United States; **YAN-FU KUO**, citizen of Taiwan; **CHAO-LUNG YANG**, citizen of Taiwan, (hereinafter "Assignors"), have made or developed a technology identified in a disclosure to Purdue Research Foundation (PRF) and assigned PRF reference number 2013-alle-66453, generally known as:

"Tone Reproduction Error Curve Reduction"

which is further described in a patent application filed in the United States Patent and Trademark Office on August 15, 2010, and accorded Application No. PCT/US2010/045558 ("Technology"); and

WHEREAS, Purdue Research Foundation, a statutory body corporate formed and existing under the Indiana Foundation or Holding Companies Act of 1921, having a place of business at *1281 Win Hentschel Blvd, West Lafayette, IN 47906* (hereinafter "Assignee"), is desirous of accepting and assuming all such right, title, and interests of the Assignor.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, the Assignor(s) do hereby sell, transfer, convey, assign and deliver unto the Assignee, its successors, assigns and legal representatives, any and all intellectual property rights, whether domestic or foreign related to the Technology, including but not limited to: all portions, and works in progress with respect thereto and all inventions, works of authorship, masks works, technology, information, know-how, materials and tools relating thereto or to the development, support or maintenance thereof; all copyright, patent rights, trade secret rights, trademark rights, mask works rights, and all other intellectual property rights and all business, contract rights and goodwill in, incorporated or embodied in, used to develop, or related to any of the foregoing and any registrations and applications for registrations of the foregoing throughout the United States of America and the world and any and all other applications arising therefrom, including any and all divisional applications, continuation applications, and

continuation-in-part applications (but only and solely to the extent such continuation-in-part applications are described in the priority application to which such continuation-in-part applications claim priority and such priority is not denied), of the Technology, and any and all patents to be issued and obtained therefore and thereon, in the United States and throughout the world, including all reissued Patents, and extensions thereof (collectively, the "Intellectual Property");

AND WE HEREBY agree to communicate to Assignee or its representative any facts known to us respecting the Technology whether or not patentable, which we may conceive, develop, make, produce or reduce to practice in whole or in part as a result of any employment, research, or activity involving or relating to the use of Purdue University resources; and agree to sign all lawful documents and make all rightful oaths and declarations relating to said Technology and Intellectual Property; authorize Assignee to insert herein the date of application, serial number, date of registration, and registration number of patents issued once known; and agree to otherwise aid ASSIGNEE as necessary and desirable to:

1. Obtain, enforce, and maintain any issued letters patent in the United States or throughout the world, when reasonably requested to do so by Assignee, including but not limited to executing, acknowledging, and delivering to Assignee such written documents and instruments as Assignee requests and giving testimony in support of Assignee's inventorship, as may be necessary in Assignee's opinion to obtain and maintain patents in the United States of America and throughout the world;

2. Secure or aid in securing and maintaining copyright protection in the Intellectual Property and assist Assignee or its nominees in filing applications to register copyright in the name of Assignee as owner in such Intellectual Property; and

3. Execute, acknowledge, and deliver to Assignee at its expense, such written documents and instruments and do such other acts as may be necessary in the opinion of Assignee, to vest the entire rights, title, and interests in and to the Intellectual Property to Assignee and to confirm the complete ownership thereof by Assignee.

AND WE HEREBY authorize ASSIGNEE to take any and all action necessary to effectuate this Assignment, including but not limited to, the filing of the Assignment with the U.S. Patent and Trademark Office and U.S. Copyright Office.

AND WE HEREBY authorize and request the Director of the U.S. Patent and Trademark Office or any other proper officer or agency throughout the world to issue any and all said letters patent to Assignee.

AND WE HEREBY warrant and covenant that we have full rights to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any instrument or assignment in conflict herewith;

This Assignment shall be binding upon Assignor(s) and their heirs, successors, and assigns. Should any term of this Assignment be found invalid or unenforceable, it shall not affect the validity or enforceability of any other term of this Assignment. The laws of the State of Indiana will govern the interpretation, validity, and effect of this Assignment, without regard to the place of making or to the place of performance.

This Assignment is hereby made effective as of the conception date of the Technology.

[SIGNATURES ON NEXT PAGE]

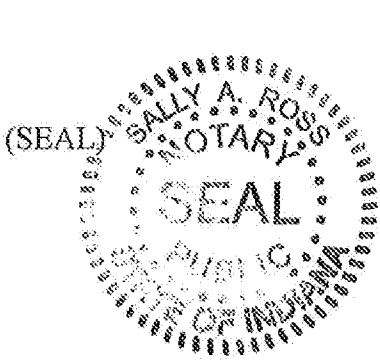
IN WITNESS WHEREOF, We have hereunto set our hands and seals.

ASSIGNOR:

19 February 2013
Date JAN P. ALLEBACH

County of Tipton)
State of Indiana) ss:

On this 19 day of February, 2013, before me a Notary Public in and for the County and State aforesaid, personally appeared JAN P. ALLEBACH, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of *his/her* free act and deed.



Sally A. Rose
Notary Public

My commission Expires _____
Sally A. Rose, Notary Public
County of Tipton
My Commission Expires October 19, 2013

Date 1/15/2013

George T. Chiu
GEORGE T. CHIU

County of ARLINGTON)

State of VIRGINIA)

SS:

On this 15 day of JANUARY, 2013, before me a Notary Public in and for the County and State aforesaid, personally appeared GEORGE T. CHIU, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of *[his/her]* free act and deed.

(SEAL)

KIRAN AGNIHOTRI NOTARY PUBLIC COMMONWEALTH OF VIRGINIA MY COMMISSION EXPIRES SEPT. 30, 2014 COMMISSION # 7346027

Kiran Agnihotri
KIRAN AGNIHOTRI
Notary Public

My commission Expires SEPT 30, 2014

January 24, 2013
Date

[Signature]
YUEHWERN YIH



County of Tippecanoe

State of Indiana

SS:

On this 24 day of January, 2013 before me a Notary Public in and for the County and State aforesaid, personally appeared YUEHWERN YIH, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of [his/her] free act and deed.

[Signature]
Notary Public

My commission Expires July 15, 2018

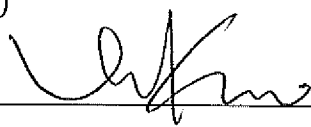
(SEAL)

ASSIGNOR OUTSIDE THE UNITED STATES (USA):

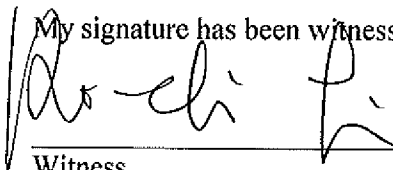
I am outside the United States of America (USA) and do not have access to a Notary Public.

I am signing this document in Taipei, Taiwan
(City, Country)

1/15/2013
Date


YAN-FU KUO

My signature has been witnessed by:


Witness

Kuo-chi Liao
Printed Name

Lin-Chi Chen
Witness

Lin-Chi Chen
Printed Name

ASSIGNOR OUTSIDE THE UNITED STATES (USA):

I am outside the United States of America (USA) and do not have access to a Notary Public.

I am signing this document in Taipei, Taiwan
(City, Country)

Jan. 14 2013
Date

Chao-Lung Yang
CHAO-LUNG YANG

My signature has been witnessed by:

[Signature]
Witness


Yardin Haidyarn
Printed Name

[Signature]
Witness

Mohammed Riza Nurta.
Printed Name

ACCEPTED BY ASSIGNEE:

February 20, 2013
Date

By: 

Printed: Hamid R. Piroozi

Title: Legal IP Manager

Office of Technology Commercialization

Purdue Research Foundation