

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sid P. Bacon</td> <td>06/16/2009</td> </tr> <tr> <td>Christopher A. Brown</td> <td>06/16/2009</td> </tr> <tr> <td>Frederic Apoux</td> <td>06/08/2009</td> </tr> </tbody> </table>		Name	Execution Date	Sid P. Bacon	06/16/2009	Christopher A. Brown	06/16/2009	Frederic Apoux	06/08/2009
Name	Execution Date								
Sid P. Bacon	06/16/2009								
Christopher A. Brown	06/16/2009								
Frederic Apoux	06/08/2009								
RECEIVING PARTY DATA									
Name:	Arizona Board of Regents for and on behalf of Arizona State University								
Street Address:	1475 North Scottsdale Road								
Internal Address:	Sky Song -- Suite 200								
City:	Scottsdale								
State/Country:	ARIZONA								
Postal Code:	85257-3538								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12433851</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12433851				
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Application Number:	12433851								
CORRESPONDENCE DATA									
Fax Number:	(877)769-7945								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	(202) 783-5070								
Email:	kzf@fr.com								
Correspondent Name:	Sushil Shrinivasan								
Address Line 1:	FISH & RICHARDSON P.C.								
Address Line 2:	P.O.BOX 1022								
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022								
ATTORNEY DOCKET NUMBER:	22193-0044001								
NAME OF SUBMITTER:	Kelly M. Smith								

CH \$40.00 12433851

Total Attachments: 8

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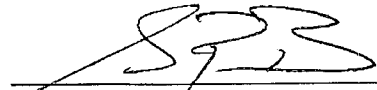
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ASSIGNMENT

For valuable consideration, we, Sid P. Bacon, of Phoenix, Arizona; Christopher A. Brown, of Tempe, Arizona; Frederic Apoux, of Columbia, South Carolina; hereby assign to ARIZONA BOARD OF REGENTS FOR AND ON BEHALF OF ARIZONA STATE UNIVERSITY, a corporation of Arizona, having a place of business at 1475 North Scottsdale Road Sky Song -- Suite 200, Scottsdale, AZ 85257-3538, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled DELIVERING FUNDAMENTAL FREQUENCY AND AMPLITUDE ENVELOPE CUES TO ENHANCE SPEECH UNDERSTANDING, filed April 30, 2009, and assigned U S Serial Number 12/433,851, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment

DATE: 16 June 2009



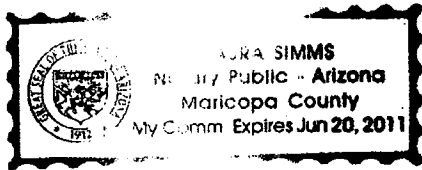
SID P. BACON


STATE OF Arizona)

COUNTY OF Maricopa) SS.

On June 16, 2009, before me, the undersigned, a notary public for the State of Arizona, there personally appeared SID P. BACON personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

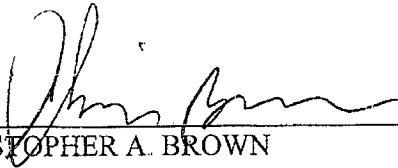




Notary Public



DATE: June 16, 2009


CHRISTOPHER A. BROWN


STATE OF Arizona)

COUNTY OF Maricopa) SS

On June 16, 2009, before me, the undersigned, a notary public for the State of Arizona, there personally appeared CHRISTOPHER A. BROWN personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.




Notary Public

DATE: _____
FREDERIC APOUX

STATE OF South Carolina)
) SS.
COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of South Carolina, there personally appeared FREDERIC APOUX personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

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ASSIGNMENT

For valuable consideration, we, Sid P. Bacon, of Phoenix, Arizona; Christopher A. Brown, of Tempe, Arizona; and Frederic Apoux, of Columbia South Carolina; hereby assign to ARIZONA BOARD OF REGENTS FOR AND ON BEHALF OF ARIZONA STATE UNIVERSITY, a corporation of Arizona, having a place of business at 1475 North Scottsdale Road Sky Song, Suite 200, Scottsdale, Arizona 85257-3538, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled DELIVERING FUNDAMENTAL FREQUENCY AND AMPLITUDE ENVELOPE CUES TO ENHANCE SPEECH UNDERSTANDING, filed April 30, 2009, and assigned U.S. Serial Number 12/433,851, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: _____
_____ SID P. BACON

STATE OF _____)
_____) SS.
COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of Arizona, there personally appeared SID P. BACON personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

DATE: _____ CHRISTOPHER A. BROWN

STATE OF _____)
) SS.
COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of Arizona, there personally appeared CHRISTOPHER A. BROWN personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public

