PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
OKIM KANG	02/24/2016
DAVID O JOHNSON	02/24/2016

RECEIVING PARTY DATA

Name:	ARIZONA BOARD OF REGENTS ACTING FOR AND ON BEHALF OF NORTHERN ARIZONA UNIVERSITY
Street Address:	P.O. BOX 4087
City:	FLAGSTAFF
State/Country:	ARIZONA
Postal Code:	86011

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	15054128
Application Number:	62121220

CORRESPONDENCE DATA

Fax Number: (480)718-8336

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 480-264-6075

Email:ipdocket@patentproblempro.comCorrespondent Name:ADAM R. STEPHENSON, LTD.Address Line 1:40 W. BASELINE RD., STE 101

Address Line 4: TEMPE, ARIZONA 85283

ATTORNEY DOCKET NUMBER:	NAU023
NAME OF SUBMITTER:	ADAM R STEPHENSON
SIGNATURE:	/Adam Stephenson/
DATE SIGNED:	02/25/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5

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PATENT ASSIGNMENT

This Assignment is made and executed by Okim Kang, an Arizona Resident having an address of 6290 E. Abineau Cyn Dr., Flagstaff, AZ and David O. Johnson, an Arizona resident having an address of 805 S. Beaver St, Flagstaff, AZ (hereinafter each referred to individually as an "Assignor" and referred to collectively as "Assignors"), to and in favor of the Arizona Board of Regents acting for and on behalf of Northern Arizona University having an address of P.O. Box 4087, Flagstaff, AZ 86011-4087 (hereinafter "Assignee").

Whereas each Assignor desires, and is obligated by the Intellectual Property Policy of the Arizona Board of Regents, to assign his/her/its entire right, title and interest in and to the invention(s) and subject matter described in the United States provisional utility patent application titled "Systems and Methods for Prosody Detection of Human Speech" which was filed on February 26, 2015 and assigned Application Serial No. 62121220 and the United States nonprovisional utility patent application titled "Systems and Methods for Automated Evaluation of Human Speech" which was filed on February 25, 2016 and assigned Application Serial No. 15054128 (hereinafter collectively the "Patent Applications") and all patents, patent applications and the like on the invention(s) or the subject matter of the Patent Applications to Assignee for valuable consideration, and whereas Assignee has provided such good and valuable consideration to each Assignor, the receipt and sufficiency of which each Assignor hereby acknowledges; accordingly, each Assignor hereby warrants, covenants, and agrees as follows:

Each Assignor hereby sells, assigns, conveys, transfers, and sets over to Assignee, its successors, legal representatives and assigns his/her/its entire right, title and interest in and to: (a) the Patent Applications themselves; (b) every U.S. patent that has issued or that issues and that is based in whole or in part on one or more of the Patent Applications or the subject matter thereof, including every non-provisional, divisional, continuation, continuation-in-part, reissue. reexamination, substitution, extension, counterpart and the like; (c) every U.S. patent application, already filed or to be filed, that is based in whole or in part on one or more of the Patent Applications or the subject matter thereof, including every counterpart, divisional, continuation, continuation-in-part, provisional, non-provisional, reissue, reexamination, extension, substitution and the like; (d) every non-U.S. patent, inventor's certificate, utility model, design and every like property or right that has issued or that issues and that is based in whole or in part on one or more of the Patent Applications or the subject matter thereof, including every provisional, nonprovisional, divisional, continuation, continuation-in-part, substitution and the like; (e) every non-U.S. application for a patent, inventor's certificate, utility model, design or like property or right, filed or to be filed, that is based in whole or in part on one or more of the Patent Applications or the subject matter thereof, including every divisional, continuation, continuationin-part, non-provisional, provisional, substitution and the like, and; (f) all priority rights, Convention rights and like benefits in the U.S. and every foreign country related to one or more of the Patent Applications, the subject matter thereof, or any application or issued or granted property or right described in this section 1, including but not limited to any and all rights under the Paris Convention, the Patent Cooperation Treaty and any other international agreements to which the U.S. adheres.

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- 2. Each Assignor agrees that Assignee may apply for patents, utility models, designs, inventor's certificates and the like, in the U.S. and in all foreign countries, based in whole or in part on the invention(s) or the subject matter described in one or more of the Patent Applications or any other application or issued or granted property or right described in section 1 above. Each Assignor hereby grants to Assignee the sole and exclusive right to prosecute the Patent Applications and every application described in section 1 above as well as any and all opposition proceedings, reissue applications, reexaminations, supplemental examinations, nullity proceedings, invalidity proceedings, pre-grant opposition proceedings, and the like. Each Assignor authorizes all U.S. and foreign governmental bodies, including the U.S. Patent and Trademark Office (hereinafter "USPTO"), having the power and/or authority to issue patents, inventor's certificates, designs, utility models, or the like based in whole or in part on one or more of the Patent Applications or the subject matter thereof, or any application or issued or granted property or right described in section 1 above, to issue such in the name of Assignee or, as the case may be, Assignee's successors, legal representatives or assigns.
- 3. Each Assignor grants to Assignee, its successors, legal representatives, and assigns, the right to sue third parties for present and past damages related to the invention(s) and the subject matter described in the Patent Applications.
- 4. Each Assignor warrants and covenants that he/she/it has the full and unencumbered right to sell, assign, convey, transfer and set over the interests hereby sold, assigned, conveyed, transferred and set over, and that he/she/it has not executed and will not execute any document or instrument in conflict with this Assignment.
- 5. Each Assignor further covenants and agrees that, upon request and without further consideration, but at the expense of Assignee, he/she/it will: (a) assist Assignee in prosecuting the Patent Applications and each application described in section 1 above as well as opposition proceedings, reissue applications, reexaminations, supplemental examinations, nullity proceedings, invalidity proceedings, pre-grant opposition proceedings and the like; (b) provide Assignee with information concerning the invention(s) and the subject matter described in the Patent Applications and each application and issued or granted property or right described in section 1 above; (c) execute, sign and deliver papers, make all rightful oaths and testify in any legal proceedings related to one or more of the Patent Applications or any application or issued or granted property or right described in section 1 above; (d) execute additional assignment documents in favor of Assignee, similar to this Assignment, for each application and each issued or granted property or right described in section 1 above, and; (e) perform all other reasonably necessary acts; to enable Assignee to obtain, secure, maintain, protect and enforce all of the rights, title and interest sold, assigned, conveyed, transferred and set over under this Assignment and to file and issue the Patent Applications and each application and issued or granted property or right described in section 1 above in the name of Assignee as applicant and owner.
- 6. Assignee may assign any right, title and interest sold, assigned, conveyed, transferred and set over under this Assignment, in whole or in part, to any party.
- 7. All references herein to Assignee include any successors, legal representatives or assigns of Assignee.

- 8. The above-identified Patent Applications were made or authorized to be made by each Assignor. Each Assignor believes that he/she is the original inventor or an original joint inventor of a disclosed and claimed invention in the Patent Applications. Each Assignor acknowledges that any willful false statement made in this paragraph is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
- 9. Each Assignor hereby authorizes and requests any attorney of the law firm of Adam R. Stephenson, LTD., Customer number 93756, to insert, after execution of this Assignment, the above filing date and application number of each of the Patent Applications and any further information necessary or desirable for purposes of recording this Assignment with the USPTO.

Executed this 24	day of	February	, 20 16 at	Flagsta	AZ, AZ	bv:
		/		(City and	l State)	
Legal Name:	Oki	m Kang				
		Print or	Туре			
Signature:	12					
Mailing Address:	62	90 E.A	bineau C	anyon Dr.		
	Flo	g-staff	A&, 860	<u> 4</u>		
Residence:	V	Same as maili	ng address, or:			

Executed this ²	4 day of February	, 20_16 at Flagstaff, Arizona	by:
		(City and State)	•
Legal Name:	David O. Johnson		
		or Type	
Signature:	David O. Johnson		
Mailing Address	805 South Beaver		
	Flagstaff, AZ 86011		
Residence:	X Same as mail	ling address, or:	