

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4349608

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	VAHID KHANAGHA	03/31/2017
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<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	15476051	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
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<b>NAME OF SUBMITTER:</b>	TIMOTHY J, MAIER	
<b>SIGNATURE:</b>	/Timothy J. MAIER/	
<b>DATE SIGNED:</b>	03/31/2017	
<b>Total Attachments: 1</b>		
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**DECLARATION AND ASSIGNMENT**Title of Invention: A pitch detection algorithm based on PWVT of Teager Energy Operator**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:



The attached application, or



United States application or PCT international application number \_\_\_\_\_, filed on \_\_\_\_\_

The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I have reviewed and understood the contents of the above-identified application, including the claims, and any claim amendments made in the application. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

**ASSIGNMENT**

WHEREAS, I, Vahid KHANAGHA, whose post office address is c/o OmniSpeech LLC, 4467 Technology Drive, College Park, MD 20742, hereinafter referred to as ASSIGNOR, am the owner of useful improvements in A pitch detection algorithm based on PWVT of Teager Energy Operator (hereinafter referred to as the INVENTION) for which the above application for United States Letters Patent was filed on: \_\_\_\_\_

Serial No.: 15476051; or

31-MAR-2017

established by PCT International Patent Application No.: \_\_\_\_\_ filed: \_\_\_\_\_  
designating the United States of America.

WHEREAS, OmniSpeech LLC, whose post office address is 4467 Technology Drive, College Park, MD 20742, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the United States;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I, ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the INVENTION that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

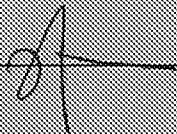
ALSO, ASSIGNOR hereby authorizes and requests the Director of the U.S. Patent and Trademark office to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes any member of the firm of Maier & Maier, PLLC to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

Legal Name of Inventor: Vahid KHANAGHA

X

Inventor's Signature



X

Date

03/31/2017