

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>Douglas S. Brungart</td> <td>03/15/2013</td> </tr> <tr> <td>Griffin D. Romigh</td> <td>07/18/2013</td> </tr> </tbody> </table>		Name	Execution Date	Douglas S. Brungart	03/15/2013	Griffin D. Romigh	07/18/2013						
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<table border="1"> <tr> <td>Name:</td> <td>Government of the United States as Represented by the Secretary of the Air Force</td> </tr> <tr> <td>Street Address:</td> <td>2240 B. Street</td> </tr> <tr> <td>Internal Address:</td> <td>Building 11, Area B</td> </tr> <tr> <td>City:</td> <td>Wright-Patterson AFB</td> </tr> <tr> <td>State/Country:</td> <td>OHIO</td> </tr> <tr> <td>Postal Code:</td> <td>45433-7109</td> </tr> </table>		Name:	Government of the United States as Represented by the Secretary of the Air Force	Street Address:	2240 B. Street	Internal Address:	Building 11, Area B	City:	Wright-Patterson AFB	State/Country:	OHIO	Postal Code:	45433-7109
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number:	9372553733												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Email:	pamela.kuns@us.af.mil												
Correspondent Name:	Pamela Kuns												
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ATTORNEY DOCKET NUMBER:	AFD 1057CIP												
NAME OF SUBMITTER:	Chastity D. S. Whitaker, Ph.D.												
Signature:	/ Chastity DS Whitaker /												
Date:	07/18/2013												

CH \$40.00 13832831

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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DECLARATION / ASSIGNMENT
(Inventor with Co-Inventors)

WHEREAS, I, Douglas S. Brungart, while employed by the Government of the United States, jointly made an invention with Griffin D. Romigh described in invention disclosure AFD 1057 CIP entitled "METHODS OF USING HEAD RELATED TRANSFER FUNCTION (HRTF) ENHANCEMENT FOR IMPROVED VERTICAL- POLAR LOCALIZATION IN SPATIAL AUDIO SYSTEMS", to be filed as an application for Letters Patent of the United States (Application serial number 13/832,831, filed 15 March 2013), and I hereby authorize and request AFMCLO/JAZ to insert here in the above parentheses (Application number, filed) the filing date and application number of said application when known;

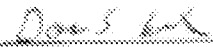
WHEREAS, The above-identified application for Letters Patent was made or authorized to be made by me;

WHEREAS, I believe that I am an original joint inventor of a claimed invention in the application;

WHEREAS, I hereby acknowledge that any willful false statement made in this Declaration/Assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both;

WHEREAS, the conditions under which said invention was made are such as to entitle the Government of the United States under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, I, Douglas S. Brungart, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto the Government of the United States, as represented by the Secretary of the Air Force, my entire right, title and interest throughout the world in and to the aforesaid invention described in the aforesaid application for Letters Patent of the United States and all Letters Patent issuing thereon and any continuations, continuations-in-part, divisions, and reissues or extensions thereof; and all priority resulting from the filing of the aforesaid application for patent in the United States; I hereby authorize and request any official whose duty it is to issue patents to issue any patent thereon to the Government of the United States, as represented by the Secretary of the Air Force, and his successors, as assignee of my entire right, title and interest in and to the same, for the sole use for the full term or terms for which said patents and any continuations, continuations-in-part, divisions and reissues or extensions thereof are, or may be, granted as fully and entirely as the same would have been held by me had this Assignment not been made; and I do hereby also grant to the Government of the United States, as represented by the Secretary of the Air Force, the option to take the entire right, title and interest in the invention or all applications for Letters Patent thereon in all countries foreign to the United States in which the Government of the United States may file, or cause to be filed, applications for Letters Patent, without payment to me of any further consideration; provided, however, that this grant of an option to take foreign rights in the invention must be exercised by written notice to me within eight months of the filing date of any application for United States Letters Patent covering the invention, or within eight months from the declassification of the invention, whichever is later, and that all foreign rights not exercised under the option are left to me subject to a nonexclusive, irrevocable, royalty-free license to the Government of the United States in any patent which may issue on said invention in any foreign country, including the power to issue sublicenses for use on behalf of the Government of the United States and/or in furtherance of the foreign policies of the United States of America; and I hereby agree to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary or convenient for the preparation, filing, or prosecution of such applications, except it is understood that I shall not be subject to any out-of-pocket expense relative to such action.



Douglas S. Brungart

SUBSCRIBED AND ACKNOWLEDGED before me by Douglas S. Brungart this 15th day of

March 2013, at the city of Waltham in the County of Worcester and State of Massachusetts



Notary Public

PATENT

REEL: 030825 FRAME: 0129

DECLARATION / ASSIGNMENT
(Inventor with Co-Inventors)

WHEREAS, I, **Griffin D. Romigh**, while employed by the Government of the United States, jointly made an invention with **Douglas S. Brungart** described in invention disclosure AFD 1057 CIP entitled "METHODS OF USING HEAD RELATED TRANSFER FUNCTION (HRTF) ENHANCEMENT FOR IMPROVED VERTICAL- POLAR LOCALIZATION IN SPATIAL AUDIO SYSTEMS", to be filed as an application for Letters Patent of the United States (Application serial number 13/832,831, filed 15 March 2013), and I hereby authorize and request AFMCLD/JAZ to insert here in the above parentheses (Application number, filed) the filing date and application number of said application when known;

WHEREAS, The above-identified application for Letters Patent was made or authorized to be made by me;

WHEREAS, I believe that I am an original joint inventor of a claimed invention in the application;

WHEREAS, I hereby acknowledge that any willful false statement made in this Declaration/Assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both;

WHEREAS, the conditions under which said invention was made are such as to entitle the Government of the United States under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, I, **Griffin D. Romigh**, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto the Government of the United States, as represented by the Secretary of the Air Force, my entire right, title and interest throughout the world in and to the aforesaid invention described in the aforesaid application for Letters Patent of the United States and all Letters Patent issuing thereon and any continuations, continuations-in-part, divisions, and reissues or extensions thereof; and all priority resulting from the filing of the aforesaid application for patent in the United States; I hereby authorize and request any official whose duty it is to issue patents to issue any patent thereon to the Government of the United States, as represented by the Secretary of the Air Force, and his successors, as assignee of my entire right, title and interest in and to the same, for the sole use for the full term or terms for which said patents and any continuations, continuations-in-part, divisions and reissues or extensions thereof are, or may be, granted as fully and entirely as the same would have been held by me had this Assignment not been made; and I do hereby also grant to the Government of the United States, as represented by the Secretary of the Air Force, the option to take the entire right, title and interest in the invention or all applications for Letters Patent thereon in all countries foreign to the United States in which the Government of the United States may file, or cause to be filed, applications for Letters Patent, without payment to me of any further consideration; provided, however, that this grant of an option to take foreign rights in the invention must be exercised by written notice to me within eight months of the filing date of any application for United States Letters Patent covering the invention, or within eight months from the declassification of the invention, whichever is later, and that all foreign rights not exercised under the option are left to me subject to a nonexclusive, irrevocable, royalty-free license to the Government of the United States in any patent which may issue on said invention in any foreign country, including the power to issue sublicenses for use on behalf of the Government of the United States and/or in furtherance of the foreign policies of the United States of America; and I hereby agree to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary or convenient for the preparation, filing, or prosecution of such applications, except it is understood that I shall not be subject to any out-of-pocket expense relative to such action.



CHASTITY D. S. WHITAKER
Attorney At Law
Notary Public, State of Ohio
My commission has no expiration date
Sec. 147.03 R.C.


Griffin D. Romigh

SUBSCRIBED AND ACKNOWLEDGED before me by Griffin D. Romigh this 18th day of July 2013, at the city of Wright Patterson AFB in the County of Greene and State of Ohio.


Notary Public