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PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | | NEW ASSIGNMENT | | | |
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| NATURE OF CONVEYANCE: | | ASSIGNMENT | ASSIGNMENT | | |
| CONVEYING PARTY D | ΑΤΑ | | | | |
| | | Name | Execution Date | | |
| MATTHEW BRADFORD |) EPPARD | 1 | 04/21/2018 | | |
| RECEIVING PARTY DA | ТА | | | | |
| Name: | ARMY CORPS OF ENGINEERS | | | | |
| Street Address: | | REYS ENGINEER CENTER | | | |
| Internal Address: | 7701 TE | LEGRAPH ROAD | | | |
| City: | | ALEXANDRIA | | | |
| State/Country: | VIRGINI | A | | | |
| Postal Code: | 22315 | | | | |
| PROPERTY NUMBERS | Total: 1 | | | | |
| Property Type | | Number | | | |
| A | | 1011071 | | | |
| Application Number: | 1 | 4914974 | | | |
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| Application Number: CORRESPONDENCE D | | 4914974 | | | |
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ASSIGNMENT

PARTIES TO THE ASSIGNMENT:

INVENTOR:

Matthew Bradford Eppard Army Corps of Engineers Portland District 333 SW First Avenue Portland, OR 97204 United States

ASSIGNEE:

Army Corps of Engineers Humphreys Engineer Center 7701 Telegraph Road Alexandria, VA 22315

BACKGROUND OF THIS ASSIGNMENT:

INVENTOR has conceived certain new and useful inventions disclosed in a U.S. Continuation-In-Part Patent Application Serial No. 14/914,974, filed February 26, 2016, titled "Acoustic Transmission Devices and Process for Making and Using Same", which claims priority to PCT Patent Application No. PCT/US2014/053578, which has an international filing date of August 29, 2014, titled "Acoustic Transmission Devices and Process for Making and Using Same", and which claims priority to U.S. Patent Application Serial No. 14/014,035, which was filed August 29, 2013, titled "Injectable Acoustic Transmission Devices and Process for Making and Using Same".

Army Corps of Engineers (hereinafter referred to as "ASSIGNEE") desires to acquire the entire right, title and interest in said inventions and

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with respect to any Letters Patent that may be granted with respect to the inventions in both the United States and in all foreign countries.

THE PARTIES AGREE AS FOLLOWS:

In consideration of good and valuable consideration, the receipt, sufficiency and adequacy of which is hereby acknowledged, INVENTOR has sold, assigned and transferred, and by these present do hereby sell, assign and transfer to ASSIGNEE the entire right, title and interest in the aboveidentified inventions and application(s) and to any reissues, renewals, divisions or continuations of the application(s) thereof, and hereby authorizes the Commissioner of Patents and Trademarks to issue such Letters Patent(s) to ASSIGNEE for the sole use of ASSIGNEE, its successors or assigns.

INVENTOR further agrees to execute, at the request and expense of ASSIGNEE, such other formal documents as may be required to fully convey the interest transferred herein and will similarly execute any patent application papers (foreign or domestic) required for the filing of any divisional, continuation, renewal or reissue of the patent application(s) or resulting Letters Patent(s); and will generally do everything necessary or desirable to obtain and enforce proper protection for the inventions assigned hereby.

INVENTOR further assigns to ASSIGNEE the whole right, title and interest in the inventions disclosed in the application(s) throughout all countries foreign to the United States. ASSIGNEE is hereby authorized to

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apply for patents relating to the inventions in its own name in countries where such procedure is proper; to claim the benefit of the International Convention; to file and prosecute International Applications relating to the inventions under the Patent Cooperation Treaty; and to file and prosecute applications relating to the inventions under the European Patent Convention. INVENTOR agrees to execute application(s) relating to the inventions in those countries and under those conventions where it is necessary that the same be executed by the inventor, and to execute assignments of such applications and the resulting Letters Patent(s) to ASSIGNEE as well as all other necessary papers in relation to such applications and Letters Patent(s). INVENTOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country as proof of the right of ASSIGNEE to apply for patent and other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

To be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the ASSIGNEE.

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| Dated: <u>Aga, 24, 2016</u> | Signature: | Matthew Bradford Epp | pard |
|-----------------------------|-----------------|----------------------|--------|
| State of <u>WSHAGDA</u> |)) ss,) | | |
| On this <u></u> day ofA | 164 | , 20 <u>18</u> , | before |

me, a Notary Public, personally appeared M. Bradford Eppard, who is known or proved to me on the basis of satisfactory evidence to be the person described in the foregoing document, who executed it and acknowledged such execution to be voluntary and for the purposes set forth therein.

SEAL

100000000 **Notary Public** State of Washington THOMAS P MCNABB MY COMMISSION EXPIRES **SEPTEMBER 21, 2019** and the second s

And I a

Signature of Notary Public

Printed Name of Notary Public

My Commission Expires: <u>1-21-19</u>

RECORDED: 05/03/2018