

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>SEQUENCE:</b>	1	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	TRAVIS N. BLALOCK	07/23/2004
	WILLIAM F. WALKER	03/24/2004
	JOHN A. HOSSACK	12/14/2004
<b>RECEIVING PARTY DATA</b>		
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<b>Postal Code:</b>	22904-4301	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Patent Number:</b>	9244160	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<i>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.</i>		
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<b>ATTORNEY DOCKET NUMBER:</b>	00855-04	
<b>NAME OF SUBMITTER:</b>	G. EDEN PARRA	
<b>SIGNATURE:</b>	/G. Eden Parra/	
<b>DATE SIGNED:</b>	06/07/2019	
<b>Total Attachments: 4</b>		
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# ASSIGNMENT

WHEREAS, we, **Travis N. Blalock, William F. Walker and John A. Hossack** (the "Assignors"), have made an invention entitled

## **“ULTRASONIC TRANSDUCER DRIVE”**

described in U.S. Provisional Patent Application Serial Nos. 60/440,020 filed January 14, 2003, 60/439,990 filed January 14, 2003 and 60/440,262 filed January 15, 2003; International Patent Application No. PCT/US04/00888 filed January 14, 2004 and any subsequent patent applications claiming priority thereto; and

WHEREAS, the **University of Virginia**, 314 Madison Hall, P.O. Box 400301, Charlottesville, Virginia 22904-4301 (the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the aforesaid invention, including any tangible materials embodied in or encompassed by the invention and any trade secrets pertaining to the invention, and any improvements thereon, (the "Invention") and in and to said applications for Letters Patent thereon in the United States, its territories and possessions ("United States") and all foreign countries, including rights to claim priority, to any provisional applications, and in and to any Letters Patent of the United States or any foreign country which may be granted therefor, including any and all reissues, divisions, continuations, continuations-in-part, renewals, substitutes or extensions thereof (the "Rights");

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and conveyed, and does hereby sell, assign, transfer and convey to Assignee, its successors and assigns, the entire right, title and interest in and to the aforesaid Invention and Rights, except that Assignee hereby grants back to the Assignors a royalty free non-transferrable license to make and use the Invention under the Rights for educational and research purposes, only. The aforesaid assignment includes the right in and to all income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignors if this sale and assignment had not been made;

AND Assignors hereby authorize and request the appropriate governmental officials to issue any and all such United States or foreign Letters Patent under said invention, or resulting from any of said applications thereof, to the Assignee, as the assignee of the entire right, title and interest in and to the same;

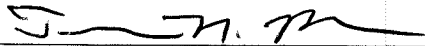
AND Assignors hereby represent, warrant and covenant that they have the full right to convey the entire interest herein assigned, that they have not executed and

will not execute any instrument or assignment in conflict herewith, and that the rights assigned herein are not otherwise encumbered by any grant, license or right;

AND Assignors further covenant and agree that Assignors will at any time upon request make, execute and deliver without further compensation, any and all other instruments in writing, including further applications, papers, affidavits, power of attorney, assignments, and other documents, and do all lawful acts and things, which, in the opinion of counsel for said Assignee, its successors and assigns, may in any country be required or necessary more effectively to secure to and vest in said Assignee, its successors and assigns the entire right, title and interest in and to said Invention and Rights hereby sold, assigned, transferred and conveyed, and that Assignors will sign any applications for reissue, division, continuation, continuation-in-part, renewal, substitute or extension of said application for Letters Patent or any resulting Letters Patent;

AND Assignors further covenant and agree that Assignors will at any time upon request communicate to the Assignee, its successors, assigns or other legal representatives any facts relating to the aforesaid invention known to it, and will testify as to the same in any interference, litigation, mediation, arbitration or other proceeding when requested to do so.

IN WITNESS WHEREOF, Assignors have hereunto set their hands and seals.

Signature of Inventor / Date of Execution:   
Inventor's Name: ..... Travis N. Blalock

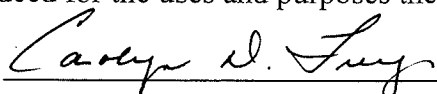
Inventor's Resident Address: 3085 Beaumont Farm Road  
Charlottesville, VA 22901

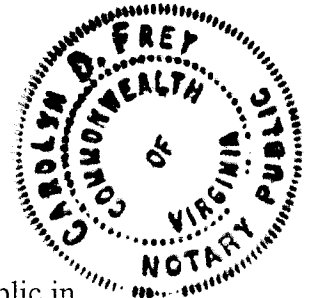
Inventor's Country of Citizenship: United States of America

Place of Execution: City of Charlottesville, Virginia

COUNTY OF ALBEMARLE / )  
CITY OF CHARLOTTESVILLE ) ss:  
COMMONWEALTH OF VIRGINIA )

On this 23<sup>rd</sup> day of July, 2004, before me, a Notary Public in and for the County or City aforesaid in the Commonwealth of Virginia, personally appeared Travis N. Blalock, to me known and known to me to be the person described in and who executed the foregoing instrument and acknowledged the same to be of his free act and deed for the uses and purposes therein set forth.

 [signature, please print name below]  
CAROLYN D. FREY Notary Public, my commission expires on: 8-31-08



Signature of Inventor / Date of Execution: [Signature]  
Inventor's Name: William F. Walker

Inventor's Resident Address: 3822 Burnley Station Road 800 Windrift Dr.  
Barboursville, VA 22923 Earlysville, VA 22936 ]

Inventor's Country of Citizenship: USA


Place of Execution: City of Charlottesville, Virginia

~~COUNTY OF ALBEMARLE~~ )  
CITY OF CHARLOTTESVILLE ) SS:  
COMMONWEALTH OF VIRGINIA )



On this 24 day of March, 2004, before me, a Notary Public in and for the County or City aforesaid in the Commonwealth of Virginia, personally appeared William F. Walker, to me known and known to me to be the person described in and who executed the foregoing instrument and acknowledged the same to be of his free act and deed for the uses and purposes therein set forth.

[Signature] [signature, please print name below]  
Shawn J. Harris, Notary Public, my commission expires on: February 29, 2008

Signature of Inventor / Date of Execution:   
Inventor's Name: John A. Hossack


Inventor's Resident Address: 617 Davis Avenue  
Charlottesville, VA 22903

Inventor's Country of Citizenship: United Kingdom

Place of Execution: City of Charlottesville, Virginia

COUNTY OF ALBEMARLE / )  
~~CITY OF CHARLOTTESVILLE~~ ) SS:  
COMMONWEALTH OF VIRGINIA )

On this 14<sup>th</sup> day of December 2004, before me, a Notary Public in and for the County or City aforesaid in the Commonwealth of Virginia, personally appeared John A. Hossack, to me known and known to me to be the person described in and who executed the foregoing instrument and acknowledged the same to be of his free act and deed for the uses and purposes therein set forth.

 [signature, please print name below]  
Sue Ann Carr, Notary Public, my commission expires on: 31 March 2008

