

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4595480

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNMENT DOCUMENT previously recorded on Reel 041987 Frame 0522. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
JESSE W. EDWARDS	04/12/2017
ROBERT B. ALLEN	10/17/2016
DEVON NEWMAN	04/12/2017
RECEIVING PARTY DATA	
Name:	PHONONIC DEVICES, INC.
Street Address:	800 CAPITOLA DRIVE
Internal Address:	SUITE 7
City:	DURHAM
State/Country:	NORTH CAROLINA
Postal Code:	27713
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15293622
CORRESPONDENCE DATA	
Fax Number:	(877)812-1249
<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>	
Phone:	9192382300
Email:	cstiers@wt-ip.com
Correspondent Name:	WITHROW & TERRANOVA PLLC
Address Line 1:	106 PINEDALE SPRINGS WAY
Address Line 4:	CARY, NORTH CAROLINA 27511
ATTORNEY DOCKET NUMBER:	1242-060
NAME OF SUBMITTER:	CATHERINE STIERS
SIGNATURE:	/Catherine Stiers/
DATE SIGNED:	09/14/2017
Total Attachments: 6	
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4365648

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	JESSE W. EDWARDS	04/12/2017
	ROBERT B. ALLEN	10/17/2016
	DEVON NEWMAN	04/12/2017
RECEIVING PARTY DATA		
Name:	PHONONIC DEVICES, INC.	
Street Address:	800 CAPITOLA DRIVE	
Internal Address:	SUITE 7	
City:	DURHAM	
State/Country:	NORTH CAROLINA	
Postal Code:	27713	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15293622
CORRESPONDENCE DATA		
Fax Number:	(877)812-1249	
<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>		
Phone:	919-238-2300	
Email:	aedwards@wt-ip.com	
Correspondent Name:	WITHROW & TERRANOVA, P.L.L.C.	
Address Line 1:	106 PINEDALE SPRINGS WAY	
Address Line 4:	CARY, NORTH CAROLINA 27511	
ATTORNEY DOCKET NUMBER:	1242-060	
NAME OF SUBMITTER:	ASHLEY HANSON	
SIGNATURE:	/Ashley Hanson/	
DATE SIGNED:	04/12/2017	
Total Attachments: 5		
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ASSIGNMENT

This Assignment made by us, **Jesse W. Edwards**, a citizen of the United States of America, residing at 3501 W. Stone Dr., City of Wake Forest, State of North Carolina, **Robert B. Allen**, a citizen of the United States of America, residing at 5765 June Lane, City of Winston-Salem, State of North Carolina, and **Devon Newman**, a citizen of the United States of America, residing at 105 Tortoise Lane, City of Morrisville, State of North Carolina, hereinafter referred to as assignors;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **HYBRID VAPOR COMPRESSION/THERMOELECTRIC MICRO-SPLIT CLIMATE CONTROL SYSTEM** for which we have applied for Letters Patent of the United States on October 14, 2016, Application Serial Number 15/293,622, which claims the benefit of U.S. Provisional Application Serial. No. 62/242,019 filed October 15, 2015, and for which we have executed a declaration;

WHEREAS, Phononic Devices, Inc., a corporation duly organized and existing under the laws of the State of ~~North Carolina~~ ^{Delaware} and having a principal place of business at 800 Capitola Drive, Suite 7, City of Durham, State of North Carolina 27713, hereinafter referred to as assignee, is desirous of acquiring our entire right, title and interest in and to said invention as described in the specification executed by us concurrently herewith, and any and all Letters Patent which shall be granted therefor;

NOW, THEREFORE, To All Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over unto the said assignee, its successors

RCB
9-14-2017

and assigns, the entire right, title and interest in and to the above-mentioned application and invention and in and to any and all Letters Patent of the United States which may hereafter be granted therefor, and in any and to any and all continuations, continuations-in-part, substitutions, divisions or reissues of said Letters Patent, the same to be held and enjoyed by the said assignee, for its interest, and for its own use and behalf, and the use and behalf of its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made;

And for the consideration aforesaid, we hereby covenant and agree to and with the said assignee, its successors and assigns, that at the time of the execution and delivery of these presents we are the joint and lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above-mentioned and that the same are unencumbered, and that we have good right and lawful authority to sell and convey the same in the manner herein set forth;

And for the consideration aforesaid, we hereby covenant and agree to and with the said assignee, its successors and assigns, that we will, whenever its counsel or the counsel of its successors and assigns, learned in the law, shall advise that an amendment, division, continuation, continuation-in-part, or substitution of, or any other proceeding in connection with said application, including interference proceedings, is lawful and desirable, sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue of the same without charge to our said assignee, its successors or assigns, but at its or their expense;

We hereby request the Commissioner for Patents to issue the Letters Patent in accordance

with this instrument;

For the consideration aforesaid, we have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the said assignee, its successors, assigns or nominee, the entire right, title and interest in and to any and all Letters Patent for said invention which may be granted in countries foreign to the United States and in and to any applications for Letters Patent which may be filed for said invention in countries foreign to the United States and in and to the invention described in said application; and we hereby authorize and empower the said assignee, its successors, assigns or nominees to apply for Letters Patent or other form of protection on said invention in its own name or in the name of its successor, assignee, or nominee, in any and all countries where it may desire to file such application and where said application may be filed by another than the inventor; and we hereby covenant and agree to sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for procurement of Letters Patent, or other form of protection, for said invention or inventions in countries foreign to the United States, and for further investing or confirming the right and title therein to the assignee, its successors, assignee, or nominee, without charge to our said assignee, its successor, assignee or nominee, but at its or their expense;

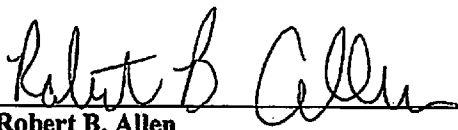
IN WITNESS WHEREOF, we have hereunto set our hands and seals.

Date

10-17-16

Date

Jesse W. Edwards



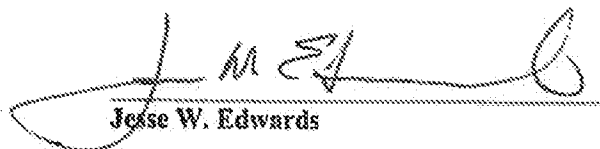
Robert B. Allen

Date

Devon Newman

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

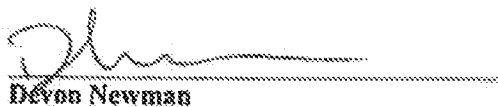
04/12-17
Date


Jesse W. Edwards

Date

Robert B. Allen

4/12/17
Date


Devon Newman