

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3273043

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
THOMAS WALTER STEINER	08/28/2013
BRIAC MEDARD DE CHARDON	08/27/2013
KRISTJAN TOD GOTTFRIED	08/28/2013
RONALD GREGORY KLOPPER	08/28/2013
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14429553
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<b>SIGNATURE:</b>	/MATTHEW MCCLOSKEY/
<b>DATE SIGNED:</b>	03/19/2015
<b>Total Attachments: 4</b>	
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## ASSIGNMENT

WHEREAS **STEINER, Thomas Walter**

of **110 North MacDonald Avenue  
Burnaby, British Columbia  
Canada V5C 1T7**

AND **MEDARD DE CHARDON, Briac**

of **1042 East 11<sup>th</sup> Avenue  
Vancouver, British Columbia  
Canada V5T 2G2**

AND **GOTTFRIED, Kristjan Tod**

of **#404 – 2370 West 2<sup>nd</sup> Avenue  
Vancouver, British Columbia  
Canada V6K 1J2**

AND **KLOPFER, Ronald Gregory**

of **3512 Calder Avenue  
North Vancouver, British Columbia  
Canada V7N 3R9**

hereinafter referred to as "Assignors", have invented certain new and useful improvements as described and set forth in United States Provisional Patent Application No. 61/702,918 filed September 19, 2012 and International Patent Cooperation Treaty (PCT) Patent Application No. PCT/CA2013/000794 filed September 17, 2013.

Title of Invention: **THERMOACOUSTIC TRANSDUCER APPARATUS  
INCLUDING A TRANSMISSION DUCT**

WHEREAS **ETALIM INC.**

of **62 West 8<sup>th</sup> Avenue  
Suite 400  
Vancouver, British Columbia  
Canada V5M 1M7**

hereinafter referred to as "Assignee", is desirous of acquiring an interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt and sufficiency of which are hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and hereby do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, the application aforesaid and all International Convention priority rights therewith, and in and to any Letters Patent which may hereafter be granted on the same in the United States of America and all countries throughout the world, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof. Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.


Assignors further agree that they will, without charge to the said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvements in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

Assignor and Assignee hereby authorize any agent appointed to represent the Assignor and/or Assignee under the Patent Cooperation Treaty to enter the serial number and filing date of any application for said invention to be entered onto this assignment after this assignment is signed.

SIGNED AT Vancouver Canada  
(City or Town) (Country)

this 28 day of August, 2013

  
Witness's Signature

  
STEINER, Thomas Walter

Geoffrey Archibald  
Witness's Name

2595 Dundas St., Vancouver, BC  
Witness's Address

SIGNED AT Vancouver Canada  
(City or Town) (Country)

this 27 day of August, 2013.

  
Witness's Signature

Geoffrey Archibald  
Witness's Name

  
MEDARD DE CHARDON, Briac


2595 Dundas St., Vancouver, BC  
Witness's Address

SIGNED AT Vancouver Canada  
(City or Town) (Country)

this 28 day of Aug, 2013

  
Witness's Signature

Geoffrey Archibald  
Witness's Name

  
GOTTFRIED, Kristjan Tod

2595 Dundas St., Vancouver, BC  
Witness's Address

SIGNED AT Vancouver Canada  
(City or Town) (Country)

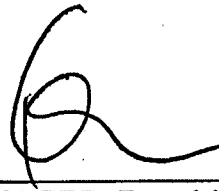
this 28 day of August, 2013



Witness's Signature

Geoffrey Archibald

Witness's Name



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