

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PARSIN HAJI REZA	03/20/2018
ROGER ZEMP	03/20/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ILLUMISONICS INC.
<b>Street Address:</b>	1400 - 10303 JASPER AVE NW
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<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	T5J 3N6
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15933193
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<b>NAME OF SUBMITTER:</b>	KELLI JO WINKLER
<b>SIGNATURE:</b>	/Kelli Jo Winkler/
<b>DATE SIGNED:</b>	04/30/2018
<b>Total Attachments: 2</b>	
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source=66434_Assignment#page2.tif	

For good and valuable consideration by ASSIGNEE to ASSIGNOR, the receipt of which is hereby acknowledged,

ASSIGNOR: **Parsin Haji Reza**  
Department of Electrical & Computer Engineering,  
University of Alberta  
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Edmonton, Alberta T6G 2V4  
Nationality: **Iranian**

**Roger Zemp**  
Department of Electrical & Computer Engineering  
Donadeo ICE 13 – 340, U of A  
Edmonton, Alberta T6G 2V4  
Nationality: **Canadian**

hereby sells, assigns and  
transfers to

ASSIGNEE: **ILLUMISONICS INC.**  
1400 – 10303 Jasper Ave NW  
Edmonton AB T5J 3N6  
Nationality: **Canadian**

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for Canada, the United States and its territorial possessions, and the entire world, including all rights to claim priority, and in and to any and all improvements to the invention disclosed in the following patent matters:

Title: **Photoacoustic Remote Sensing (PARS)**  
U.S. Provisional Application no. 62/067,197 filed October 22, 2014  
Canadian patent application no. 2,908,992, filed October 21, 2015  
U.S. patent application no. 14/919,565, filed October 21, 2015  
PCT patent application no. PCT/ CA2015/051061 filed October 21, 2015

Title: **Non-Interferometric Photoacoustic Remote Sensing (NI-PARS)**  
U.S. Provisional Application no. 62/290,275 filed February 2, 2016  
U.S. patent application no. 15/418,447 filed January 27, 2017

Title: **Camera-Based Photoacoustic Remote Sensing (C-PARS)**  
U.S. Provisional Application no. 62/475,693 filed March 23, 2017

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any re-issue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment **PATENT**

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

**Parsin Haji Reza**



Signature

20-03-2018

Date

Statement by Witness – I was personally present and did see Parsin Haji Reza who is known to me execute the above assignment.

Witness Signature

Name:

Address:

**Roger Zemp**



Signature

20 Mar 2018

Date

Statement by Witness – I was personally present and did see Roger Zemp who is known to me execute the above assignment.

Witness Signature



Name:

Erin Lee

Address:

5914 - 165 Ave Edm, AB