

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5494990

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	CONFIRMATORY ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RANDY KUANG	03/21/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	QUANTROPI INC.
<b>Street Address:</b>	1600 CARLING AVENUE
<b>Internal Address:</b>	SUITE 620
<b>City:</b>	OTTAWA, ONTARIO
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	K1Z 1G3
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15796577
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)646-8646
<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>	
<b>Phone:</b>	617-646-8000
<b>Email:</b>	patents_EdW@wolfgreenfield.com
<b>Correspondent Name:</b>	EDMUND J. WALSH
<b>Address Line 1:</b>	WOLF, GREENFIELD & SACKS, P.C.
<b>Address Line 2:</b>	600 ATLANTIC AVENUE
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02210
<b>ATTORNEY DOCKET NUMBER:</b>	S1448.70029US00
<b>NAME OF SUBMITTER:</b>	JENICA L. ROBERTS
<b>SIGNATURE:</b>	/Jenica L. Roberts/
<b>DATE SIGNED:</b>	04/26/2019
<b>Total Attachments: 3</b>	
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## CONFIRMATORY ASSIGNMENT

**WHEREAS**, Randy Kuang, citizen of Canada (hereinafter, the "Assignor"), residing at 1763 Fisher Avenue, Ottawa, Ontario, K2C 1Y1, entered into an Asset Transfer Agreement effective as of January 26, 2018 (the "Agreement") with Quantropi Inc., a Canadian corporation, having a place of business at 1600 Carling Avenue, Suite 620, Ottawa, Ontario K1Z 1G3, Canada (hereinafter, the "Assignee");

**AND WHEREAS** the Assignor was the owner of certain intellectual property rights in a new point-to-point encryption technology described and/or claimed in the patent applications described in Annex A (the "Patent Assets");

**AND WHEREAS**, pursuant to the Agreement, the Assignor assigned and transferred to the Assignee, throughout the world, his intellectual property rights, title and interest relating to certain of the Patent Assets derived from his rights in and to such assets accrued prior to the commencement of his employment for the Assignee;

**AND WHEREAS**, in the course of the Assignor's employment activities, he has made, developed, and created certain discoveries, works, concepts, ideas, tools, engines, software, inventions, designs, improvements, and/or technical developments relating to the Patent Assets. As such, the Assignee has been the beneficial owner of the Assignor's rights, title and interest in and to the Patent Assets, derived from the Assignor's rights accrued to said assets during his employment by the Assignee, by virtue of certain rights that the Assignee possesses for having employed the Assignor;

**AND WHEREAS** the Assignee is desirous of confirming its ownership and acquisition of the Assignor's entire legal right, title, property and interest, for any and all countries in the world, in and to the Patent Assets;

**AND WHEREAS**, in order to confirm the Assignee's legal ownership and title in and to, and to effect the recordal of the assignment and/or transfer of the Patent Assets and related patent rights based on such Patent Assets worldwide, the Assignor and Assignee hereby agree to sign this Confirmatory Assignment;

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor hereby confirms having assigned and transferred to the Assignee, its successors and assigns, its entire right, title, and interest, for any and all countries in the world, in and to the Patent Assets, inclusive of any continuations, continuations-in-part, divisionals, re-issuances and re-examinations thereof, all rights of priority derived therefrom, any and all patents that may issue on any of the foregoing, and any and all right, title, interest, privileges, damages, settlements and proceeds under, relating to, or arising from the Patent Assets, including, without limitation, any claim against third parties for past, present or future infringement or misappropriation of the Patent Assets, all of which or the same to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had no assignment or transfer been made.

**AND**, this Confirmatory Assignment shall be governed by and construed in accordance with the law of Canada.

SIGNED this 21 day of March, 2019

Randy Kuang  
Randy KUANG

DECLARATION OF WITNESS

I, Mingxuan He, whose full postal address is 1237 Clyde Ave. hereby declare that I was personally present and did see Randy KUANG, who is personally known to me to be the person named in this Confirmatory Assignment, sign and execute same.

Declared at Ottawa, this 21 day of March, 2019.  
(City/town)

Mingxuan He  
Witness signature

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ACKNOWLEDGED AND ACCEPTED at \_\_\_\_\_, this 21 day of MARCH, 2019.

QUANTROPI INC.  
[Signature]  
Name: NINGKE (NICK) KUANG  
Title: VP Corporate Services

DECLARATION OF WITNESS

I, Mingxuan He, whose full postal address is 1237 Clyde Ave. hereby declare that I was personally present and did see Ningke Kuang, who is personally known to me to be the person named in this Confirmatory Assignment, sign and execute same.

Declared at Ottawa, this 21 day of March, 2019.  
(City/town)

Mingxuan He  
Witness signature

**SCHEDULE "A" (Patent Assets)**

<b>Title</b>	<b>Serial #</b>	<b>Country/Region</b>	<b>Filing Date</b>
METHODS AND SYSTEMS FOR DATA PROTECTION	USSN 15/796,577	USA	October 27, 2017
METHODS AND SYSTEMS FOR SECURE DATA COMMUNICATION	USSN 62/662,819	USA	April 26, 2018
METHODS AND SYSTEMS FOR SECURE DATA COMMUNICATION	PCT/CA2018/051339	PCT	October 23, 2018
METHODS AND SYSTEMS FOR SECURE DATA COMMUNICATION	PCT/CA2019/050093	PCT	January 25, 2019