

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7807271

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	EDISON U. ORTIZ	10/03/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ROYAL BANK OF CANADA	
<b>Street Address:</b>	1 PLACE VILLE MARIE	
<b>Internal Address:</b>	6TH FLOOR, NORTH WING	
<b>City:</b>	MONTREAL	
<b>State/Country:</b>	CANADA	
<b>Postal Code:</b>	H3C 3A9	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	17389984
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(416)216-3930	
<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>Address Line 1:</b>	222 BAY STREET	
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<b>ATTORNEY DOCKET NUMBER:</b>	05007268-108US-2	
<b>NAME OF SUBMITTER:</b>	RUI GAO	
<b>SIGNATURE:</b>	/Rui Gao/	
<b>DATE SIGNED:</b>	02/21/2023	
<b>Total Attachments: 5</b>		
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**Assignment - Worldwide**

**ASSIGNMENT (Worldwide)**

WHEREAS,

- (1) **Stephen James SCOTT** of Oakville, Ontario, Canada
- (2) **Weigiang YIN** of Mississauga, Ontario, Canada
- (3) **Edison U. ORTIZ** of Orlando, Florida, United States of America
- (4) **Terry W. LEE** of Toronto, Ontario, Canada;
- (5) **Gabriel Y. WOO** of Toronto, Ontario, Canada;

hereinafter referred to, separately and collectively, as "ASSIGNORS", and whose full post office address is c/o Royal Bank of Canada, 6<sup>th</sup> Floor, 1 Place Ville Marie, Montreal, Quebec, H3C 3A9, Canada, have made one or more inventions relating to and collectively entitled:

**SECURE PROCESSING OF ELECTRONIC PAYMENTS**

hereinafter referred to as the Invention, which Invention is wholly or partially described in one or more applications for Letters Patent identified as:

Country: **United States**  
Patent/Application Number: **62/188,067**  
Filed: **2 July 2015**

Country: **United States**  
Patent/Application Number: **62/200,859**  
Filed: **4 August 2015**

Country: **United States**  
Patent/Application Number: **15/000,685**  
Filed: **19 January 2016**

Country: **United States**  
Patent/Application Number: **15/201,428**  
Filed: **2 July 2016**

Country: **Canadian Receiving Office**  
Patent/Application Number: **TBA (Assignee's attorneys are authorized to insert the number when assigned)**  
Filed: **2 July 2016**

hereinafter collectively referred to as the Application;

AND WHEREAS, **ROYAL BANK OF CANADA**, a Canadian Chartered Bank hereinafter referred to as Assignee, whose full post office address is 6<sup>th</sup> Floor, 1 Place Ville Marie, Montreal, Quebec H3C

3A9, Canada, desires among other things to acquire Assignors' entire right, title, interest and benefit for United States, Canada and all other countries and jurisdictions in and to the Invention and Application;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby confirm that they have sold, assigned, transferred and set over to Assignee and, for greater certainty, do hereby sell, assign, transfer and set over to Assignee, and to Assignee's successors, assigns, nominees or other legal representatives, their entire right, title, interest, property and benefit in and for United States, Canada and all other countries and jurisdictions in and to the Invention, together with their entire right, title, interest, property and benefit in and to the Application, and any previously- or subsequently-filed applications corresponding or otherwise relating thereto in any country or jurisdiction, including any and all corresponding applications whether in the form of divisions, continuations, re-examinations, re-issues, extensions and other non-provisional applications, and national phases thereof, any and all Letters Patent and Registrations that may issue, be granted or result therefrom for the Invention, and any and all rights of priority resulting from the filing of the above-identified application, the said corresponding applications and any previously- or subsequently-filed applications in respect of the Invention under international conventions, treaties or otherwise, the same to be held and enjoyed as fully and exclusively as the same would have been held and enjoyed by Assignors had this sale, assignment, transfer and setting over not been made;

AND ASSIGNORS confirm that they are both inventors of the Invention and of material described in the Application, and that they are all of the inventors thereof;

AND ASSIGNORS, on behalf of themselves and their heirs, executors and administrators, do hereby covenant and agree to do all such lawful acts and things and to execute and deliver without further consideration such further lawful assignments, instruments, assurances, applications and other documents as may reasonably be required by said Assignee, or by its successors, assigns, nominees, or other legal representatives, to obtain each said Letters Patent and Registrations of the United States and all other countries and jurisdictions for the Invention and vest or secure the same in Assignee, and in Assignee's successors, assigns, nominees or other legal representatives.

AND ASSIGNORS do hereby authorize any official whose duty it is to grant patents or registrations, to grant each said Letters Patent and Registration for the Invention to the Assignee, and to Assignee's successors, assigns, nominees or other legal representatives.

AND ASSIGNORS, on behalf of themselves and their heirs, executors and administrators, do hereby authorize said Assignee, its successors, assigns, nominees or other legal representatives, including its Patent Agents, Norton Rose Canada LLP, to amend the present assignment document to

insert or correct the filing date, serial number or other identifying information of the Application as may be needed to record same.

ASSIGNORS UNDERSTAND AND AGREE that the attorneys and agents of the law firm of Norton Rose Canada LLP do not personally represent Assignors or Assignors' legal interests, but instead represent the interests of Assignee. Since Norton Rose Canada LLP cannot provide legal advice to Assignors with respect to this Assignment, Assignors acknowledge their right to seek their own independent legal counsel.

THIS ASSIGNMENT may be executed in counterparts, all of which shall be considered one and the same agreement. This Assignment shall be effective to transfer an Assignors' entire right, title, interest, property, and benefit to Assignee upon execution of this Assignment by such Assignors, regardless of whether any other Assignor executes this Agreement.

IN WITNESS WHEREOF, Assignors have hereunto signed their names on the day and year set forth below.

DATED this \_\_\_\_\_ day of \_\_\_\_\_, 2016.

\_\_\_\_\_  
**Stephen James SCOTT**

**STATEMENT OF WITNESS**

I, \_\_\_\_\_, state that I was personally present and did see  
(name of witness)

\_\_\_\_\_  
Stephen James SCOTT, who is personally known to me to be the person  
(name of inventor)

named in the above assignment, duly execute the same on the day and year set forth above.

\_\_\_\_\_  
(Date witnessed)

\_\_\_\_\_  
(Signature of witness)

DATED this \_\_\_\_\_ day of \_\_\_\_\_, 2016.

\_\_\_\_\_  
Weigiang YIN

**STATEMENT OF WITNESS**

I, \_\_\_\_\_, state that I was personally present and did see  
(name of witness)  
\_\_\_\_\_  
Weigiang YIN, who is personally known to me to be the person  
(name of inventor)  
named in the above assignment, duly execute the same on the day and year set forth above.

\_\_\_\_\_  
(Date witnessed)

\_\_\_\_\_  
(Signature of witness)

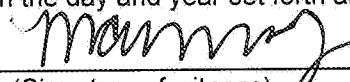
DATED this 03 day of OCTOBER, 2016.

  
\_\_\_\_\_  
Edison U. ORTIZ

**STATEMENT OF WITNESS**

I, REBECCA MABREY, state that I was personally present and did see  
(name of witness)  
\_\_\_\_\_  
Edison U. ORTIZ, who is personally known to me to be the person  
(name of inventor)  
named in the above assignment, duly execute the same on the day and year set forth above.

03 OCTOBER 2016  
\_\_\_\_\_  
(Date witnessed)

  
\_\_\_\_\_  
(Signature of witness)

DATED this \_\_\_\_\_ day of \_\_\_\_\_, 2016.

\_\_\_\_\_  
Terry W. LEE

**STATEMENT OF WITNESS**

I, \_\_\_\_\_, state that I was personally present and did see  
(name of witness)  
Terry W. LEE \_\_\_\_\_, who is personally known to me to be the  
(name of inventor)  
person named the above assignment, duly execute the same on the day and year set forth above.

\_\_\_\_\_  
(Date witnessed)

\_\_\_\_\_  
(Signature of witness)

DATED this \_\_\_\_\_ day of \_\_\_\_\_, 2016.

\_\_\_\_\_  
Gabriel Y. WOO

**STATEMENT OF WITNESS**

I, \_\_\_\_\_, state that I was personally present and did see  
(name of witness)  
Gabriel Y. WOO \_\_\_\_\_, who is personally known to me to be the  
(name of inventor)  
person named the above assignment, duly execute the same on the day and year set forth above.

\_\_\_\_\_  
(Date witnessed)

\_\_\_\_\_  
(Signature of witness)