

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI38627

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the THE POSTAL CODE IN THE ADDRESS OF THE ASSIGNEE AND THE ATTORNEY DOCKET NUMBER previously recorded on Reel 66420 Frame 596. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
BENOIT GERMAIN	02/07/2024
ARNOLD BADAL-BADALIAN	02/07/2024
SEUNG BONG BAEK	02/07/2024
RECEIVING PARTY DATA	
Company Name:	ROYAL BANK OF CANADA
Street Address:	ROYAL BANK PLAZA, 6TH FLOOR, SOUTH TOWER
Internal Address:	200 BAY STREET
City:	TORONTO
State/Country:	CANADA
Postal Code:	M5J 2J5
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	17374364
Application Number:	63051318
CORRESPONDENCE DATA	
Fax Number:	4162163930
<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:	(416)216-4000
Email:	dockettor@nortonrosefulbright.com
Correspondent Name:	Mr. Brian Chau
Address Line 1:	NORTON ROSE FULBRIGHT CANADA LLP
Address Line 2:	222 BAY STREET SUITE 3000
Address Line 4:	TORONTO, CANADA M5K 1E7
ATTORNEY DOCKET NUMBER:	05007268-262US
NAME OF SUBMITTER:	Brian Chau
SIGNATURE:	Brian Chau
DATE SIGNED:	02/20/2024

PATENT

Total Attachments: 8

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PATENT ASSIGNMENT COVER SHEET

Assignment ID: 15134

Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Benoit GERMAIN	02/07/2024
Arnold BADAL-BADALIAN	02/07/2024
Seung Bong BAEK	02/07/2024
RECEIVING PARTY DATA	
Name:	Royal Bank of Canada
Street Address:	Royal Bank Plaza, 6th Floor South Tower
Internal Address:	200 Bay Street
City:	Toronto
State/Country:	CANADA
Postal Code:	M5K 1E7
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17374364
CORRESPONDENCE DATA	
Fax Number:	4162163930
Phone:	4162164000
Email:	dockettor@nortonrosefulbright.com
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.	
Correspondent Name:	Mr. Brian Chau
Address Line 1:	Norton Rose Fulbright Canada LLP
Address Line 2:	222 Bay Street Suite 3000
Address Line 4:	Toronto , CANADA M5K 1E7
ATTORNEY DOCKET NUMBER:	95997268-262US

PATENT
REEL: 066630 FRAME: 0312

NAME OF SUBMITTER:	Brian Chau
Signature:	Brian Chau
Date:	02/08/2024
	This document serves as an Oath/Declaration (37 CFR 1.63).
TOTAL ATTACHMENTS: 1 source= 262US_Executed Assignment.pdf	

ASSIGNMENT (Worldwide)

WHEREAS,

- (1) **Benoit GERMAIN** of Toronto, ON, Canada;
- (2) **Arnold BADAL-BADALIAN** of Toronto, ON, Canada;
- (3) **Seung Bong BAEK** of Toronto, ON, Canada;

hereinafter referred to, separately and collectively, as "ASSIGNORS", and whose full post office address is c/o Royal Bank of Canada, 6th Floor, South Tower, Royal Bank Plaza, 200 Bay Street, Toronto, ON M5J 2J5, Canada, have made an invention relating to and entitled:

SECURE IDENTITY DATA TOKENIZATION AND PROCESSING

hereinafter referred to as the Invention, which Invention is described for example in the appended draft patent application (which may have been provided to Assignors prior to execution of this Assignment), which Invention is to be filed as one or more applications for Letters Patent hereinafter referred to as the Applications;

AND WHEREAS, **ROYAL BANK OF CANADA**, a Canadian Chartered Bank hereinafter referred to as Assignee, whose full post office address is 6th Floor, South Tower, Royal Bank Plaza, 200 Bay Street, Toronto, ON M5J 2J5, 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, or to confirm the ownership of such right, title, interest and benefit by Assignee;

NOW THEREFORE, in consideration of the sum of Five Dollars (\$5.00) 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, 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 Fulbright 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 Fulbright Canada LLP do not personally represent Assignors or Assignors' legal interests, but instead represent the interests of Assignee. Since Norton Rose Fulbright 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.

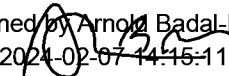
DATED this 07 day of February, 20 24

Benoit GERMAIN

e-Signed by Benoit Germain
on 2024-02-07 16:12 GMT

DATED this 07 day of February, 20 24

Arnold BADAL-BADALIAN

e-Signed by  Arnold Badal-Badalian
on 2024-02-07 14:15:11 GMT

DATED this 7 day of February, 20 24

Seung Bong BAEK

e-Signed by Seung-Bong Baek
on 2024-02-08 02:09:38 GMT

DATED this 7 day of February, 2024

ROYAL BANK OF CANADA

e-Signed by James Catsburg
on 2024-02-07 14:01:16 GMT

James Catsburg
Managing Counsel