

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT7583394

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MILOS DUNJIC	03/05/2019
ARTHUR CARROLL CHOW	04/01/2019
DAVID SAMUEL TAX	03/12/2019
ARMON ROUHANI	03/05/2019
ASAD JOHEB	03/06/2019
SARA HATHERLY	03/06/2019
KEITH SANJAY AJMANI	04/12/2021
LIONEL JOHNSON	04/16/2019
RECEIVING PARTY DATA	
Name:	THE TORONTO-DOMINION BANK
Street Address:	66 WELLINGTON STREET WEST
Internal Address:	TD TOWER, 15TH FLOOR
City:	TORONTO, ONTARIO
State/Country:	CANADA
Postal Code:	M5K 1A2
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16281718
CORRESPONDENCE DATA	
Fax Number:	(202)776-7801
<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:	2027765252
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Address Line 1:	901 NEW YORK AVENUE N.W.
Address Line 2:	SUITE 700 EAST
Address Line 4:	WASHINGTON, D.C. 20001
ATTORNEY DOCKET NUMBER:	G4144-00276
NAME OF SUBMITTER:	JAMES A. COOKE, III

PATENT

SIGNATURE:	/James A. Cooke, III/
DATE SIGNED:	10/11/2022
Total Attachments: 10 source=18046-PMT-US-PAT-ASSIGNMENT#page1.tif source=18046-PMT-US-PAT-ASSIGNMENT#page2.tif source=18046-PMT-US-PAT-ASSIGNMENT#page3.tif source=18046-PMT-US-PAT-ASSIGNMENT#page4.tif source=18046-PMT-US-PAT-ASSIGNMENT#page5.tif source=18046-PMT-US-PAT-ASSIGNMENT#page6.tif source=18046-PMT-US-PAT-ASSIGNMENT#page7.tif source=18046-PMT-US-PAT-ASSIGNMENT#page8.tif source=18046-PMT-US-PAT-ASSIGNMENT#page9.tif source=18046-PMT-US-PAT-ASSIGNMENT#page10.tif	

WORLDWIDE ASSIGNMENT

WHEREAS, WE, (hereinafter referred to as the “ASSIGNORS”):

Milos DUNJIC,
Arthur Carroll CHOW,
David Samuel TAX,
Armon ROUHANI,
Asad JOHEB,
Sara HATHERLY,
Keith Sanjay AJMANI, and
Lionel JOHNSON

have invented a certain new and useful invention entitled:

**MANAGING CRYPTOGRAPHICALLY SECURE
EXCHANGES OF DATA USING PERMISSIONED DISTRIBUTED LEDGERS**

for which a United States Patent application was filed on February 21, 2019, and accorded application serial number 16/281,718 (further identified by Attorney Docket No. G4144-00276 and TD Reference No. 18046-PMT-US-PAT, hereinafter the “Patent Application”), and

WHEREAS, **The Toronto-Dominion Bank** (hereinafter “**Assignee**”), a corporation organized under the laws of the Province of Ontario, CANADA, having a place of business at 66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2, has acquired or is desirous of acquiring the entire and exclusive right, title and interest in and to the Patent Application inclusive of any and all priority rights derived therefrom and the inventions therein disclosed or claimed, and in and to all Letters Patent, in the United States of America, Canada, and throughout the world, which may be granted and issued therefore throughout the world;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned, WE, ASSIGNORS do hereby sell, assign, transfer, and set over to the ASSIGNEE, its successors and assigns, the entire and exclusive right, title and interest in and to the Patent Application for United States Letters Patent inclusive of any and all priority rights derived therefrom, and the inventions therein disclosed or claimed, and in and to all Letters Patent and issues thereof which may be granted upon the Patent Application and in and to all Letters Patent which may be issued upon any substitutes, continuations, continuations-in-part, divisions, re-issues or extensions of the Patent Application or Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, and in and to any and all Letters Patent which may be granted for the inventions in any foreign country or countries including priority rights derived from any application for the inventions in any country;

AND WE, ASSIGNORS, hereby agrees/agree to execute, upon request, any and all further papers without charge which may be necessary or desirable to enable the ASSIGNEE, its

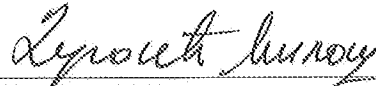
successors and assigns, to file and prosecute the Patent Application, and any and all substitutes, continuations, continuations-in-part, divisions, or extensions thereof, and any and all reissues of the Letters Patent granted upon the Patent Application, and any and all applications for foreign Letters Patent on the inventions; and ASSIGNORS further agree to execute any and all further papers without charge which may be necessary or desirable to vest or perfect the title of ASSIGNEE, its successors and assigns, in and to the Patent Application and the inventions therein disclosed or claimed, and in and to any and all Letters Patent and reissues thereof, in the United States of America, Canada, and foreign countries, which may be granted upon the Patent Application, and any substitutes, continuations, continuations-in-part, divisions, re-issues or extensions thereof, and upon any foreign applications;

AND WE, ASSIGNORS hereby authorize and request the Patent Office to issue each and every Letters Patent to be granted upon the Patent Application for United States Letters Patent, and upon any and all substitutes, continuations, continuations-in-part, divisions, or extensions of the Patent Application, and each and every reissue of the Letters Patent, to the ASSIGNEE, its successors and assigns, as the assignee of the entire right, title and interest therein, in accordance with this assignment;

AND WE, ASSIGNORS each individually hereby represent and warrant that I have read and fully understand the terms and provisions hereof, have had an opportunity to obtain independent legal advice, and have executed this assignment based upon my own judgment and advice of independent legal counsel (if sought), or alternatively, have waived the right to obtain independent legal counsel.

Inventor 1:

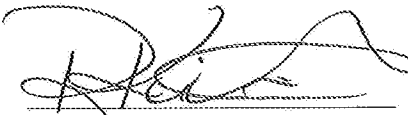
EXECUTED at (City, Province) TORONTO, ON, this 5 day of MARCH, 2019



Milos DUNJIC

STATEMENT BY WITNESS

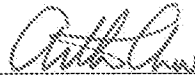
I, REBECCA KILBURN, whose full Post Office address is
66 Wellington St W, 25, Toronto, ON M5K 1A2 was
personally present and did see the above named person, who is known to me, execute the above
Assignment.



(Signature of Witness)

Inventor 2:

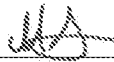
EXECUTED at (City, Province) Toronto, ON, this 1 day of April, 2019



Arthur Carroll CHOW

STATEMENT BY WITNESS

I, Madalina Minnear, whose full Post Office address is
66 Wellington St. W., 15th Floor, Toronto, ON M5X 1A2 was
personally present and did see the above named person, who is known to me, execute the above
Assignment.



(Signature of Witness)

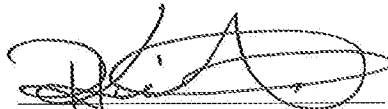
Inventor 3:

EXECUTED at (City, Province) TORONTO, ON, this 12th day of MARCH, 2019


David Samuel TAX

STATEMENT BY WITNESS

I, REBECCA KILBURN, whose full Post Office address is
66 Wellington St W, 38, Toronto, ON M5K 1A2 was
personally present and did see the above named person, who is known to me, execute the above
Assignment.


(Signature of Witness)

Inventor 4:

EXECUTED at (City, Province) Toronto, ON, this 5th day of March, 2019


Armin ROUHANI


STATEMENT BY WITNESS

I, REBECCA KILBURN, whose full Post Office address is
66 Wellington St W, 35, Toronto, ON M5K 1A2 was
personally present and did see the above named person, who is known to me, execute the above
Assignment.


(Signature of Witness)

Inventor 5:

EXECUTED at (City, Province) TORONTO, ON, this 6th day of MARCH, 2019


Asad JOHEB


STATEMENT BY WITNESS

I, REBECCA KILBURN, whose full Post Office address is
166 Wellington St W, 28, Toronto, ON M5K 1A2 was
personally present and did see the above named person, who is known to me, execute the above
Assignment.


(Signature of Witness)

Inventor 6:

EXECUTED at (City, Province) Toronto, this 6th day of March, 2019


Sara HATHERLY

STATEMENT BY WITNESS

I, REBECCA KILBURN, whose full Post Office address is
66 Wellington St W, 35, Toronto, ON M5K 1A2 was
personally present and did see the above named person, who is known to me, execute the above
Assignment.


(Signature of Witness)

Inventor 7:


EXECUTED at (City, Province) Toronto, ON, this 12 day of April, 2021



Keith Sanjay AJMANI

STATEMENT BY WITNESS

I, Sherry Pedersen-Ajmani, whose full Post Office address is
6 First Ave, Toronto, ON M4M 1W8 was
personally present and did see the above named person, who is known to me, execute the above
Assignment.



(Signature of Witness)

Inventor 8:

EXECUTED at (City, Province) TORONTO, ON, this 16 day of APRIL, 2019



Lionel JOHNSON

STATEMENT BY WITNESS

I, CINDY MAMONTON, whose full Post Office address is

66 WELLINGTON ST. W. M5K 1A2 was

personally present and did see the above named person, who is known to me, execute the above Assignment.



(Signature of Witness)