

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7138253

|  |                                  |
|--|----------------------------------|
| <b>SUBMISSION TYPE:</b>  | NEW ASSIGNMENT                   |
| <b>NATURE OF CONVEYANCE:</b>   | ASSIGNMENT                       |
| <b>CONVEYING PARTY DATA</b>  |                                  |
| <b>Name</b>  | <b>Execution Date</b>            |
| DENNY DEVASIA KURUVILLA  | 12/03/2021                       |
| ESLI GJINI   | 12/13/2021                       |
| SARAH REEVE  | 11/15/2021                       |
| MATIJA BOSNJAKOVIC   | 11/05/2021                       |
| GUY DAGMARA  | 12/01/2021                       |
| JASPAL SINGH SAMRA   | 12/01/2021                       |
| ABHINEY NATARAJAN  | 12/01/2021                       |
| HAOBIN LI  | 11/05/2021                       |
| RICHARD YU   | 12/03/2021                       |
| MD ABDUR RAZZAK CHOWDHURY  | 11/05/2021                       |
| DANI KARTIKAY  | 01/06/2022                       |
| RYAN WU  | 11/05/2021                       |
| ANDREY PETROV  | 11/10/2021                       |
| PETER HORVATH  | 11/29/2021                       |
| PRASHANTH DAPPULA  | 12/02/2021                       |
| SIVASHANTHAN SIVAPALAN   | 11/05/2021                       |
| NOLAN GLYNN-UDROW  | 12/01/2021                       |
| <b>RECEIVING PARTY DATA</b>  |                                  |
| <b>Name:</b>   | THE TORONTO-DOMINION BANK        |
| <b>Street Address:</b>   | 66 WELLINGTON ST. W., 15TH FLOOR |
| <b>City:</b>   | TORONTO                          |
| <b>State/Country:</b>  | CANADA                           |
| <b>Postal Code:</b>  | M5K 1A2                          |
| <b>PROPERTY NUMBERS Total: 1</b>   |                                  |
| <b>Property Type</b>   | <b>Number</b>                    |
| <b>Application Number:</b>   | 17583315                         |
| <b>CORRESPONDENCE DATA</b>   |                                  |
| <b>Fax Number:</b>   | (416)363-8429                    |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent</i> |                                  |
| <b>PATENT</b>  |                                  |

*using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Phone:** 416-479-8647  
**Email:** mailbox@rowandlaw.com  
**Correspondent Name:** ROWAND LLP  
**Address Line 1:** 3080 YONGE STREET, SUITE 6060  
**Address Line 4:** TORONTO, CANADA M4N 3N1

|                                |              |
|--------------------------------|--------------|
| <b>ATTORNEY DOCKET NUMBER:</b> | 337-0109USP2 |
|--------------------------------|--------------|

|                           |             |
|---------------------------|-------------|
| <b>NAME OF SUBMITTER:</b> | JOANNA POON |
|---------------------------|-------------|

|                   |               |
|-------------------|---------------|
| <b>SIGNATURE:</b> | /Joanna Poon/ |
|-------------------|---------------|

|                     |            |
|---------------------|------------|
| <b>DATE SIGNED:</b> | 01/25/2022 |
|---------------------|------------|

**Total Attachments: 19**

source=19038-DCP-US-PAT\_Assignment#page1.tif  
source=19038-DCP-US-PAT\_Assignment#page2.tif  
source=19038-DCP-US-PAT\_Assignment#page3.tif  
source=19038-DCP-US-PAT\_Assignment#page4.tif  
source=19038-DCP-US-PAT\_Assignment#page5.tif  
source=19038-DCP-US-PAT\_Assignment#page6.tif  
source=19038-DCP-US-PAT\_Assignment#page7.tif  
source=19038-DCP-US-PAT\_Assignment#page8.tif  
source=19038-DCP-US-PAT\_Assignment#page9.tif  
source=19038-DCP-US-PAT\_Assignment#page10.tif  
source=19038-DCP-US-PAT\_Assignment#page11.tif  
source=19038-DCP-US-PAT\_Assignment#page12.tif  
source=19038-DCP-US-PAT\_Assignment#page13.tif  
source=19038-DCP-US-PAT\_Assignment#page14.tif  
source=19038-DCP-US-PAT\_Assignment#page15.tif  
source=19038-DCP-US-PAT\_Assignment#page16.tif  
source=19038-DCP-US-PAT\_Assignment#page17.tif  
source=19038-DCP-US-PAT\_Assignment#page18.tif  
source=19038-DCP-US-PAT\_Assignment#page19.tif

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE, (hereinafter referred to as the “ASSIGNOR(S)”):

**KURUVILLA, Denny Devasia - 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada**

**GJINI, Esli - 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada**

**REEVE, Sarah - 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada**

**BOSNJAKOVIC, Matija – 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada**

**DAGMARA, Guy – 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada**

**SAMRA, Jaspal Singh – 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada**

**NATARAJAN, Abhiney – 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada**

**LI, Haobin – 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada**

**YU, Richard – 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada**

**CHOWDHURY, Md Abdur Razzak – 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada**

**KARTIKAY, Dani – 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada**

**WU, Ryan – 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada**

**PETROV, Andrey – 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada**

**HORVATH, Peter – 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada**

**DAPPULA, Prashanth – 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada**

**SIVAPALAN, Sivashanthan – 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada**

**GLYNN-UDROW, Nolan– 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada**

has/have invented a certain new and useful invention entitled:

**SYSTEMS AND METHODS FOR AUTHENTICATING DATA ACCESS REQUESTS**

for which a United States Patent application was filed on **July 24, 2019** and accorded Application Serial Number **16/520,505** (further identified by Attorney Docket No. **337-0109USP1** and TD Reference No. **19038-DCP-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, 15<sup>th</sup> 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, I/WE, ASSIGNOR(S) does/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 I/WE, ASSIGNOR(S) 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 ASSIGNOR(S) further agrees/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 I/WE, ASSIGNOR(S) hereby authorizes/authorize and requests/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 I/WE, ASSIGNOR(S) 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.

EXECUTED at (City, Province) Toronto, ON this 3 day of December, 2021

  
\_\_\_\_\_  
**KURUVILLA, Denny Devasia**

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is  
\_\_\_\_\_ was  
personally present and did see the above named person, who is known to me, execute the above  
Assignment.

\_\_\_\_\_  
(Signature of Witness)

  
GJINI, Esli

(Signature of Witness)

EXECUTED at Toronto, On, this 15 day of Nov, 2021



\_\_\_\_\_  
**REEVE, Sarah**

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is  
\_\_\_\_\_ was  
personally present and did see the above named person, who is known to me, execute the above  
Assignment.

\_\_\_\_\_  
(Signature of Witness)

EXECUTED at (City, Province) Orkville, Ontario, this 5 day of November, 2021

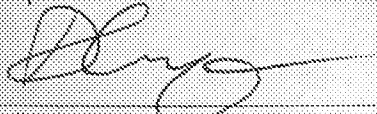
Matije Bosnjakovic  
BOSNJAKOVIC, Matija

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is  
\_\_\_\_\_ was  
personally present and did see the above named person, who is known to me, execute the above  
Assignment.

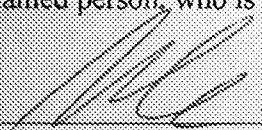
\_\_\_\_\_  
(Signature of Witness)

EXECUTED at (City, Province) TORONTO, ON, this 1 day of December, 2021

  
\_\_\_\_\_  
DAGMARA, Guy

STATEMENT BY WITNESS

I, MATTHEW GUY, whose full Post Office address is  
44 HALLAM ST, TORONTO, ON M6G 1W2 was  
personally present and did see the above named person, who is known to me, execute the above  
Assignment.

  
\_\_\_\_\_  
(Signature of Witness)

EXECUTED at (City, Province) Brampton, Ontario, this 01 day of December, 2021

/JASPAL SINGH SAMRA /  
**SAMRA, Jaspal Singh**

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is  
\_\_\_\_\_ was  
personally present and did see the above named person, who is known to me, execute the above  
Assignment.

\_\_\_\_\_  
(Signature of Witness)

EXECUTED at (City, Province) Stoney Creek, ON, this 1 day of December, 2021



\_\_\_\_\_  
**NATARAJAN, Abhiney**

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

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

\_\_\_\_\_  
(Signature of Witness)

EXECUTED at (City, Province) Kitchener, Ontario, this 5th day of November, 2021

/Haobin Li/

LI, Haobin

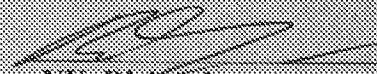
STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is

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

\_\_\_\_\_  
(Signature of Witness)

EXECUTED at (City, Province) Mississauga, ON, this 3 day of Dec, 2021

  
YU, Richard

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is \_\_\_\_\_ was

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

\_\_\_\_\_  
(Signature of Witness)

EXECUTED at (City, Province) Mississauga, Ontario, this 5 day of Nov, 2021

/Md Abdur Razzak Chowdhury/  
**CHOWDHURY, Md Abdur Razzak**

STATEMENT BY WITNESS

I, Momtaz Zareen Chowdhury, whose full Post Office address is  
5627 Annabelle Avenue, Mississauga, Ontario, L5V3A9, Canada was  
personally present and did see the above named person, who is known to me, execute the above  
Assignment.

/Momtaz Zareen Chowdhury/  
(Signature of Witness)

EXECUTED at (City, Province) Brampton. Ontario, this 6 day of January, 2022

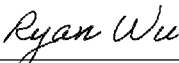
  
\_\_\_\_\_  
**KARTIKAY, Dani**

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is  
\_\_\_\_\_ was  
personally present and did see the above named person, who is known to me, execute the above  
Assignment.

\_\_\_\_\_  
(Signature of Witness)

EXECUTED at (City, Province) Oakville, Ontario, this 5th day of November, 2021

  
\_\_\_\_\_  
**WU, Ryan**

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is  
\_\_\_\_\_ was  
personally present and did see the above named person, who is known to me, execute the above  
Assignment.

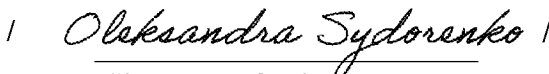
\_\_\_\_\_  
(Signature of Witness)

EXECUTED at (City, Province) Apex, NC, USA, this 10 day of November, 2021

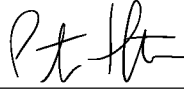
  
\_\_\_\_\_  
**PETROV, Andrey**

STATEMENT BY WITNESS

I, Oleksandra Sydorenko, whose full Post Office address is  
1929 Manor Stone Dr, Apex, NC, USA, 27502 was  
personally present and did see the above named person, who is known to me, execute the above  
Assignment.

  
\_\_\_\_\_  
(Signature of Witness)

EXECUTED at (City, Province) Toronto, ON, this 29 day of Nov, 2021



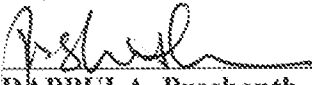
HORVATH, Peter

STATEMENT BY WITNESS

I, Peter Horvath, whose full Post Office address is  
670 Greenwood Ave, Toronto, ON, M4J4B5 was  
personally present and did see the above named person, who is known to me, execute the above  
Assignment.

(Signature of Witness)

EXECUTED at (City, Province) King City, ON, this 02 day of December 2021

  
DAPPULA, Prashanth

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is  
\_\_\_\_\_ was  
personally present and did see the above named person, who is known to me, execute the above  
Assignment.

\_\_\_\_\_  
(Signature of Witness)

EXECUTED at (City, Province) Markham, Ontario, this 5 day of November, 2021

/S. Sivapalan/  
**SIVAPALAN, Sivashanthan**

STATEMENT BY WITNESS

I, \_\_\_\_\_, whose full Post Office address is  
\_\_\_\_\_ was  
personally present and did see the above named person, who is known to me, execute the above  
Assignment.

\_\_\_\_\_  
(Signature of Witness)

EXECUTED at (City, Province) Toronto, ON, this 1st day of December, 2021



**GLYNN-UDROW, Nolan**

STATEMENT BY WITNESS

I, Emily Delov, whose full Post Office address is  
19 ESLWICK ROAD, TORONTO, ON M4B2Z4 was  
personally present and did see the above named person, who is known to me, execute the above  
Assignment.



(Signature of Witness)