

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5497404

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
DEAN C.N. TSERETOPOULOS	02/22/2018
ROBERT ALEXANDER MCCARTER	01/08/2019
SARABJIT SINGH WALIA	10/25/2017
VIPUL KISHORE LALKA	04/25/2018
NADIA MORETTI	12/28/2018
PAIGE ELYSE DICKIE	02/09/2018
DENNY DEVASIA KURUVILLA	02/09/2018
MILOS DUNJIC	02/08/2018
DINO PAUL D'AGOSTINO	02/08/2018
ARUN VICTOR JAGGA	03/08/2018
JOHN JONG-SUK LEE	12/01/2017
RAKESH THOMAS JETHWA	02/08/2018

**RECEIVING PARTY DATA**

<b>Name:</b>	THE TORONTO-DOMINION BANK
<b>Street Address:</b>	66 WELLINGTON STREET WEST
<b>Internal Address:</b>	TD TOWER - 15TH FLOOR
<b>City:</b>	TORONTO
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	M5K 1A2

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	15724535

**CORRESPONDENCE DATA**

**Fax Number:** (416)362-0823

*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.*

**Phone:** 416-868-1482

**Email:** lsalehoun@ridoutmaybe.com

**Correspondent Name:** RIDOUT & MAYBEE LLP

**Address Line 1:** 250 UNIVERSITY AVENUE

**PATENT**

**Address Line 2:** 5TH FLOOR  
**Address Line 4:** TORONTO, CANADA M5H 3E5

**ATTORNEY DOCKET NUMBER:** 52382-3002

**NAME OF SUBMITTER:** STEPHEN MARTIN

**SIGNATURE:** /SM/

**DATE SIGNED:** 04/29/2019

**Total Attachments: 14**

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source=17035-DCP-US-PAT\_RM\_Full\_Assignment#page14.tif

**WORLDWIDE ASSIGNMENT**

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

Dean C.N. TSERETOPOULOS  
Robert Alexander MCCARTER  
Sarabjit Singh WALIA  
Vipul Kishore LALKA  
Nadia MORETTI  
Paige Elyse DICKIE  
Denny Devasia KURUVILLA  
Milos DUNJIC  
Dino Paul D'AGOSTINO  
Arun Victor JAGGA  
John Jong-Suk LEE  
Rakesh Thomas JETHWA

whose respective postal addresses are:

c/o The Toronto-Dominion Bank  
66 Wellington Street West, TD Tower, 15<sup>th</sup> Floor  
Toronto, Ontario, M5K 1A2, CANADA

have invented a certain new and useful invention entitled:

**DATA MANAGEMENT DEVICE, COMMUNICATION SYSTEM AND METHODS  
FOR TAGGING DATA IN A DATA TABLE AND TRIGGERING AUTOMATED  
ACTIONS**

for which a United States Patent application was filed on October 4, 2017 and accorded application serial number 15/724,535 (further identified by Attorney Docket No. 52382-3002 and TD Reference No. 17035-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, 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 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 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 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.

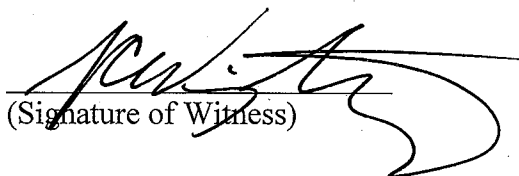
**Inventor 1:**

EXECUTED at (City, Province) TORONTO, ONTARIO, this 22 day of FEBRUARY, 2018

  
\_\_\_\_\_  
Dean C. X. TSERETOPOULOS

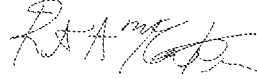
STATEMENT BY WITNESS

I, JEREMY WIJETUNGE, whose full Post Office address is  
66 WELLINGTON ST. W. 15<sup>th</sup> FLOOR, 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:**

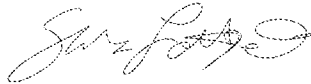
EXECUTED at (City, Province) Eden, Ontario, this 8th day of January, 2019



**Robert Alexander MCCARTER**

STATEMENT BY WITNESS


I, Sara B. Lattanzio, whose full Post Office address is  
10291 Plank Road, Eden Ontario, N0J 1H0 was  
personally present and did see the above named person, who is known to me, execute the above  
Assignment.



(Signature of Witness)

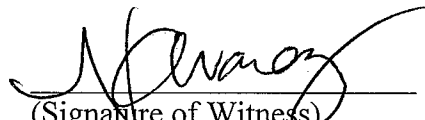
**Inventor 3:**

EXECUTED at (City, Province) Toronto, ON, this 28 day of Oct, 2017

  
Sarabjit Singh WALIA

STATEMENT BY WITNESS

I, Nicole Alvarez, whose full Post Office address is 606 Wellington St. W. 15<sup>th</sup> Floor, 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) \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 2017

\_\_\_\_\_  
Vipul Kishore LALKA

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)

**Inventor 3:**

EXECUTED at (City, Province) \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 2017

\_\_\_\_\_  
**Sarabjit Singh WALIA**

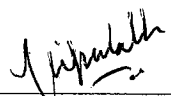
STATEMENT BY WITNESS

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)


**Inventor 4:**

EXECUTED at (City, Province) TORONTO, ON, this 25<sup>th</sup> day of APRIL, 2018

  
\_\_\_\_\_  
**Vipul Kishore LALKA**

STATEMENT BY WITNESS

I, BRYAN DUNN, whose full Post Office address is 1112 GABLE DRIVE, OAKVILLE ON L6J 7R3 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, Ontario, this 28 day of December, 2018

  
\_\_\_\_\_  
Nadia MORETTI

STATEMENT BY WITNESS

I, YIWEN MA, whose full Post Office address is  
79 Wellington St. West, Floor 18th, Toronto 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) \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 2017

\_\_\_\_\_  
Paige Elyse DICKIE

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)

**Inventor 5:**

EXECUTED at (City, Province) \_\_\_\_\_, this \_\_\_\_ day of \_\_\_\_\_, 2017

\_\_\_\_\_  
**Nadia MORETTI**

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)

**Inventor 6:**

EXECUTED at (City, Province) TORONTO, ON, this 9 day of FEBRUARY, 2018

\_\_\_\_\_  
**Paige Elyse DICKIE**

STATEMENT BY WITNESS

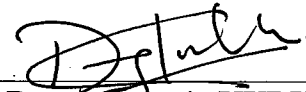
I, Nicole Alvarez, whose full Post Office address is  
66 Wellington St. W. 15<sup>th</sup> Floor, Toronto, ON, M5K 1A2 was

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

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

**Inventor 7:**

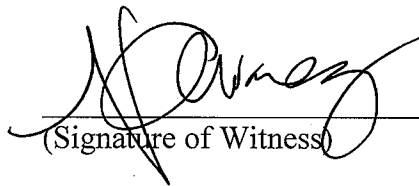
EXECUTED at (City, Province) TORONTO, ON, this 9 day of FEBRUARY, 2018



Denny Devasia KURUVILLA

STATEMENT BY WITNESS

I, Nicole Alvarez, whose full Post Office address is 140 Wellington St. W. 15<sup>th</sup> Floor, 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 8:**

EXECUTED at (City, Province) \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 2017

\_\_\_\_\_  
**Milos DUNJIC**

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)

**Inventor 7:**

EXECUTED at (City, Province) \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 2017

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

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)

**Inventor 8:**

EXECUTED at (City, Province) TORONTO, ON, this 8 day of Feb, 2018

*Milos Dunjic*  
**Milos DUNJIC**

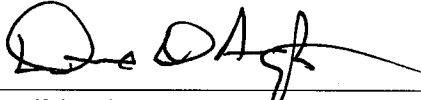
STATEMENT BY WITNESS

I, *Nicole Alvarez*, whose full Post Office address is 66 Wellington St. W 8th floor TORONTO, ON M5K 1A2 was personally present and did see the above named person, who is known to me, execute the above Assignment.

*Nicole Alvarez*  
(Signature of Witness)

**Inventor 9:**

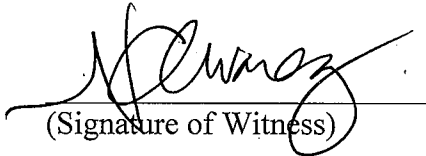
EXECUTED at (City, Province) TORONTO, ON, this 8<sup>th</sup> day of FEBRUARY, 2018



**Dino Paul D'AGOSTINO**

STATEMENT BY WITNESS

I, NICOLE ALVAREZ, whose full Post Office address is 66 Wellington St. W. 15<sup>th</sup> Floor, 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 10:**

EXECUTED at (City, Province) \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 2017

\_\_\_\_\_  
**Arun Victor JAGGA**

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)

**Inventor 9:**

EXECUTED at (City, Province) \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 2017

\_\_\_\_\_  
**Dino Paul D'AGOSTINO**

**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)

**Inventor 10:**

EXECUTED at (City, Province) TORONTO, ON, this 8 day of MARCH, 2018

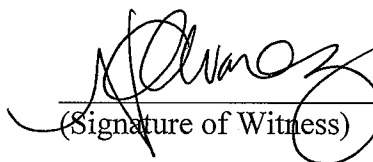


\_\_\_\_\_  
**Arun Victor JAGGA**

**STATEMENT BY WITNESS**

I, Nicole Alvarez, whose full Post Office address is  
66 Wellington St. W. 5th Floor 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 11:**

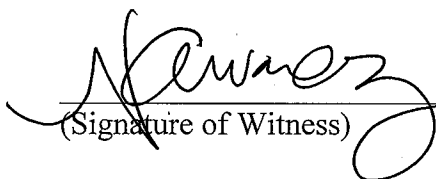
EXECUTED at (City, Province) Toronto, this 1 day of Dec, 2017



**John Jong-Suk LEE**

STATEMENT BY WITNESS

I, Nicole Alvarez, whose full Post Office address is  
66 Wellington St. W. 15<sup>th</sup> Flr, 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 12:**

EXECUTED at (City, Province) \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 2017

**Rakesh Thomas JETHWA**

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)

**Inventor 11:**

EXECUTED at (City, Province) \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 2017

\_\_\_\_\_  
**John Jong-Suk LEE**

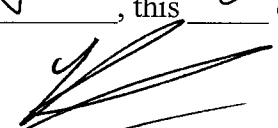
STATEMENT BY WITNESS

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)

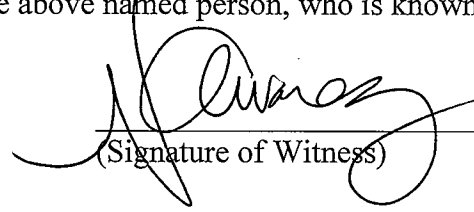
**Inventor 12:**

EXECUTED at (City, Province) Toronto, ON, this 8 day of Feb., 2018

  
\_\_\_\_\_  
**Rakesh Thomas JETHWA**

STATEMENT BY WITNESS

I, Nicole Alvarez, whose full Post Office address is 66 Wellington St. W. 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)