

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6132617

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JONATHAN K. BARNETT	11/05/2018
LAUREN VAN HEERDEN	11/26/2018
ORIN DEL VECCHIO	11/26/2018
GUNALAN NADARAJAH	11/06/2018
JOHN BARBON	11/09/2018
PAUL MON-WAH CHAN	11/30/2018
JAKUB DANIELAK	12/06/2018
CHRISTIANNE MORETTI	12/12/2018
MATTHEW HAMILTON	12/15/2018
RECEIVING PARTY DATA	
Name:	THE TORONTO-DOMINION BANK
Street Address:	66 WELLINGTON STREET WEST, TD TOWER, 15TH FLOOR
City:	TORONTO, ONTARIO
State/Country:	CANADA
Postal Code:	M5K 1A2
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16212808
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:	2027767800
Email:	lrhayes@duanemorris.com
Correspondent Name:	DUANE MORRIS LLP
Address Line 1:	505 9TH STREET, NW
Address Line 2:	SUITE 1000
Address Line 4:	WASHINGTON, D.C. 20004
ATTORNEY DOCKET NUMBER:	G4144-00298
NAME OF SUBMITTER:	JAMES A. COOKE, III

PATENT

SIGNATURE:	/James A. Cooke, III/
DATE SIGNED:	06/02/2020
Total Attachments: 27 source=assignment#page1.tif source=assignment#page2.tif source=assignment#page3.tif source=assignment#page4.tif source=assignment#page5.tif source=assignment#page6.tif source=assignment#page7.tif source=assignment#page8.tif source=assignment#page9.tif source=assignment#page10.tif source=assignment#page11.tif source=assignment#page12.tif source=assignment#page13.tif source=assignment#page14.tif source=assignment#page15.tif source=assignment#page16.tif source=assignment#page17.tif source=assignment#page18.tif source=assignment#page19.tif source=assignment#page20.tif source=assignment#page21.tif source=assignment#page22.tif source=assignment#page23.tif source=assignment#page24.tif source=assignment#page25.tif source=assignment#page26.tif source=assignment#page27.tif	

WORLDWIDE ASSIGNMENT

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

**Jonathan K. BARNETT,
Lauren VAN HEERDEN,
Orin DEL VECCHIO,
Gunalan NADARAJAH,
John BARBON,
Paul Mon-Wah CHAN,
Jakub DANIELAK,
Christianne MORETTI, and
Matthew HAMILTON,**

have invented a certain new and useful invention entitled:

BRANCH RECOMMENDATION

for which a United States Patent application was filed on July 17, 2015, and accorded application serial number 14/802,973 (further identified by Attorney Docket No. G4144-00220 and TD Reference No. 14023-BRB-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 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 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 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 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:

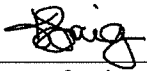
EXECUTED at (City, Province) Toronto, Ontario, this 5th day of November, 2018



Jonathan K. BARNETT

STATEMENT BY WITNESS

I, Kimberley Spalding, whose full Post Office address is
4327 Bloor Street West. Toronto Ontario M9C 2A2 was
personally present and did see the above named person, who is known to me, execute the above
Assignment.



(Signature of Witness)

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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 2:

EXECUTED at (City, Province) Bedford, NH, this 26 day of Nov, 2018
emb
er




Lauren VAN HEERDEN

STATEMENT BY WITNESS

Johann van Heerden
I, _____, whose full Post Office address is
64 Dunlap Drive, Bedford NH 03110

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



(Signature of Witness)

WORLDWIDE ASSIGNMENT

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Lauren VAN HEERDEN,
Orin DEL VECCHIO,
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TD Reference No. 14023-BRB-US-PAT
Firm Name: Duane Morris LLP

Inventor 3:

EXECUTED at (City, Province) Nobleton, Ontario, this 26th day of November, 2018



Orin DEL VECCHIO

STATEMENT BY WITNESS

I, Lisa Del Vecchio, whose full Post Office address is
17 Caliber Court, Nobleton, Ontario, L0G 1N0 was personally present and did
see the above named person, who is known to me, execute the above Assignment.



(Signature of Witness)

WORLDWIDE ASSIGNMENT

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Orin DEL VECCHIO,
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Page 1 of 11

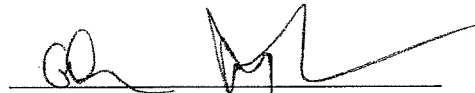
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Inventor 4:

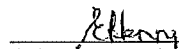
EXECUTED at (City, Province) Toronto, ON, this 6 day of November, 2018



Gunalan NADARAJAH

STATEMENT BY WITNESS

I, EUGENIE HENRY, whose full Post Office address is
314-121 LING RD, TORONTO, ON M1E 4Y2 was
personally present and did see the above named person, who is known to me, execute the above
Assignment.



(Signature of Witness)

WORLDWIDE ASSIGNMENT

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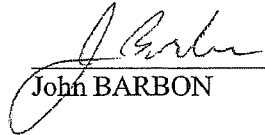
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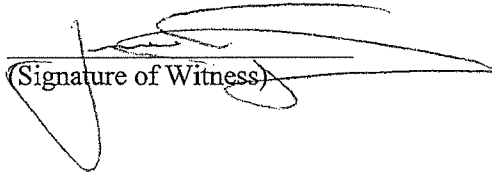
Inventor 5:

EXECUTED at (City, Province) LONDON ONT, this 9 day of NOV, 2018


John BARBON

STATEMENT BY WITNESS

I, JAMIE TERPSTRA, whose full Post Office address is
82 Wyntfield Lane, London, ON N6H5L2 was
personally present and did see the above named person, who is known to me, execute the above
Assignment.


(Signature of Witness)

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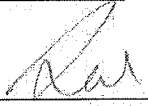
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Inventor 6:

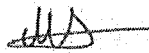
EXECUTED at (City, Province) Toronto, ON, this 30th day of November, 2018



Paul Mon-Wah CHAN

STATEMENT BY WITNESS

I, Madalina Kinnear, whose full Post Office address is
66 Wellington St. W., 15th Floor, Toronto, ON M5A 1A2 was
personally present and did see the above named person, who is known to me, execute the above
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BRANCH RECOMMENDATION

for which a United States Patent application was filed on July 17, 2015, and accorded application serial number 14/802,973 (further identified by Attorney Docket No. G4144-00220 and TD Reference No. 14023-BRB-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 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 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 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 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 7:


EXECUTED at (City, Province) Toronto, ON, this 6 day of December, 2018



Jakub DANIELAK

STATEMENT BY WITNESS

I, Madalina Kinnear, whose full Post Office address is
66 Wellington St.W, 15th 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)

WORLDWIDE ASSIGNMENT

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

**Jonathan K. BARNETT,
Lauren VAN HEERDEN,
Orin DEL VECCHIO,
Gunalan NADARAJAH,
John BARBON,
Paul Mon-Wah CHAN,
Jakub DANIELAK,
Christianne MORETTI, and
Matthew HAMILTON,**

have invented a certain new and useful invention entitled:

BRANCH RECOMMENDATION

for which a United States Patent application was filed on July 17, 2015, and accorded application serial number 14/802,973 (further identified by Attorney Docket No. G4144-00220 and TD Reference No. 14023-BRB-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 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 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 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 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.

TD Reference No. 14023-BRB-US-PAT
Firm Name: Duane Morris LLP

Inventor 8:

EXECUTED at (City, Province) TORONTO, ON, this 12 day of Dec, 2018


Christianne MORETTI

STATEMENT BY WITNESS

I, Madalina Kinnear, whose full Post Office address is
66 Wellington St. W., 15th 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)

WORLDWIDE ASSIGNMENT

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

**Jonathan K. BARNETT,
Lauren VAN HEERDEN,
Orin DEL VECCHIO,
Gunalan NADARAJAH,
John BARBON,
Paul Mon-Wah CHAN,
Jakub DANIELAK,
Christianne MORETTI, and
Matthew HAMILTON,**

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BRANCH RECOMMENDATION

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NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned, WE, ASSIGNORS 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 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 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 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.

TD Reference No. 14023-BRB-US-PAT

Firm Name: Duane Morris LLP


Inventor 9:

EXECUTED at (City, Province) Toronto Ont, this 15th day of November, 2018


Matthew HAMILTON

STATEMENT BY WITNESS

I, EMILY HAMILTON, whose full Post Office address is
83 ADAIR RD. TORONTO, ONT M4B 1V6 was
personally present and did see the above named person, who is known to me, execute the above
Assignment.


(Signature of Witness)