

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5440303

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DEAN C.N. TSERETOPOULOS	02/22/2018
GREGORY RICHARD HARPER	02/07/2018
SARABJIT SINGH WALIA	10/25/2017
SARIR NASIM	03/06/2018
DIANE LEE	11/25/2018
JOHN JONG SUK LEE	12/01/2017
JOHN WILLIAM THOMAS	03/09/2018
RICHARD THOMAS 03/1	03/18/2019
SIMONA HEATH	02/15/2018
RECEIVING PARTY DATA	
Name:	THE TORONTO-DOMINION BANK
Street Address:	66 WELLINGTON ST. W., TD TOWER, 15TH FLOOR
City:	TORONTO
State/Country:	CANADA
Postal Code:	M5K 1A2
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15618524
CORRESPONDENCE DATA	
Fax Number:	
<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:	4164798647
Email:	mailbox@rowandlaw.com
Correspondent Name:	ROWAND LLP
Address Line 1:	SUITE 2302, 401 BAY STREET, PO BOX 56
Address Line 4:	TORONTO, CANADA M5H 2Y4
ATTORNEY DOCKET NUMBER:	337-0005USP1
NAME OF SUBMITTER:	JEFFREY TRACEY

SIGNATURE:	/Jeffrey Tracey/
DATE SIGNED:	03/26/2019
Total Attachments: 35 source=17008-DC_US-PAT_Assignment#page1.tif source=17008-DC_US-PAT_Assignment#page2.tif source=17008-DC_US-PAT_Assignment#page3.tif source=17008-DC_US-PAT_Assignment#page4.tif source=17008-DC_US-PAT_Assignment#page5.tif source=17008-DC_US-PAT_Assignment#page6.tif source=17008-DC_US-PAT_Assignment#page7.tif source=17008-DC_US-PAT_Assignment#page8.tif source=17008-DC_US-PAT_Assignment#page9.tif source=17008-DC_US-PAT_Assignment#page10.tif source=17008-DC_US-PAT_Assignment#page11.tif source=17008-DC_US-PAT_Assignment#page12.tif source=17008-DC_US-PAT_Assignment#page13.tif source=17008-DC_US-PAT_Assignment#page14.tif source=17008-DC_US-PAT_Assignment#page15.tif source=17008-DC_US-PAT_Assignment#page16.tif source=17008-DC_US-PAT_Assignment#page17.tif source=17008-DC_US-PAT_Assignment#page18.tif source=17008-DC_US-PAT_Assignment#page19.tif source=17008-DC_US-PAT_Assignment#page20.tif source=17008-DC_US-PAT_Assignment#page21.tif source=17008-DC_US-PAT_Assignment#page22.tif source=17008-DC_US-PAT_Assignment#page23.tif source=17008-DC_US-PAT_Assignment#page24.tif source=17008-DC_US-PAT_Assignment#page25.tif source=17008-DC_US-PAT_Assignment#page26.tif source=17008-DC_US-PAT_Assignment#page27.tif source=17008-DC_US-PAT_Assignment#page28.tif source=17008-DC_US-PAT_Assignment#page29.tif source=17008-DC_US-PAT_Assignment#page30.tif source=17008-DC_US-PAT_Assignment#page31.tif source=17008-DC_US-PAT_Assignment#page32.tif source=17008-DC_US-PAT_Assignment#page33.tif source=17008-DC_US-PAT_Assignment#page34.tif source=17008-DC_US-PAT_Assignment#page35.tif	

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)");

TSERETOPOULOS, Dean C.N.

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HARPER, Gregory Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

WALIA, Sarabjit Singh

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

NASIM, Sarir

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, Diane

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, John Jong Suk

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, John William

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HEATH, Simona

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

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

DEVICE LOCK BYPASS ON SELECTABLE ALERT

for which a United States Provisional Patent application was filed on **September 30, 2016** and accorded Application Serial Number **62/402,529** and United States Patent application was filed on **June 9, 2017** and accorded Application Serial Number **15/618,524** (further identified by Attorney Docket No. **337-0005USP1** and TD Reference No. **17008-DC-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, 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;

Firm Name: Rowand LLP

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.

INVENTOR 1:

EXECUTED at (City, Province) _____, this ____ day of _____, 2017

TSERETOPOULOS, Dean C.N.

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:

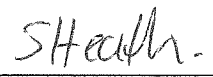
EXECUTED at (City, Province) TORONTO, ONTARIO, this 18 day of MARCH, 2019



THOMAS, Richard

STATEMENT BY WITNESS

I, SIMONA HEATH, whose full Post Office address is
201 WOODMOUNT AVE, TORONTO, ON M4C3Z5 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, I/WE, (hereinafter referred to as the "ASSIGNOR(S)");

TSERETOPOULOS, Dean C.N.

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HARPER, Gregory Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

WALIA, Sarabjit Singh

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

NASIM, Sarir

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, Diane

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, John Jong Suk

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, John William

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HEATH, Simona

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

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

DEVICE LOCK BYPASS ON SELECTABLE ALERT

for which a United States Provisional Patent application was filed on **September 30, 2016** and accorded Application Serial Number **62/402,529** and United States Patent application was filed on **June 9, 2017** and accorded Application Serial Number **15/618,524** (further identified by Attorney Docket No. **337-0005USP1** and TD Reference No. **17008-DC-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, 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.

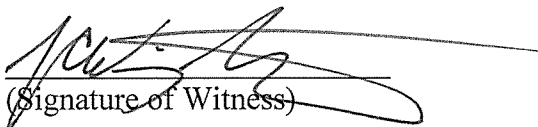
INVENTOR 1:

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


TSERETOPOULOS, Dean C.N.

STATEMENT BY WITNESS

I, JEREMY WISSETUNGE, 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, I/WE, (hereinafter referred to as the "ASSIGNOR(S)");

TSERETOPOULOS, Dean C.N.

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HARPER, Gregory Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

WALIA, Sarabjit Singh

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

NASIM, Sarir

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, Diane

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, John Jong Suk

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, John William

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HEATH, Simona

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

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

DEVICE LOCK BYPASS ON SELECTABLE ALERT

for which a United States Provisional Patent application was filed on **September 30, 2016** and accorded Application Serial Number **62/402,529** and United States Patent application was filed on **June 9, 2017** and accorded Application Serial Number **15/618,524** (further identified by Attorney Docket No. **337-0005USP1** and TD Reference No. **17008-DC-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, 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;

Firm Name: Rowand LLP

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.

INVENTOR 1:

EXECUTED at (City, Province) _____, this _____ day of _____, 2017

TSERETOPOULOS, Dean C.N.

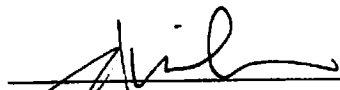
STATEMENT BY WITNESS

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:

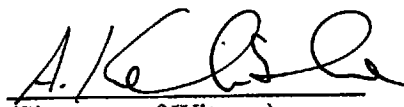
EXECUTED at (City, Province) Toronto, Ontario, this 25th day of November, 2018



LEE, Diane

STATEMENT BY WITNESS

I, Agata Kaliska, whose full Post Office address is
724-95 Bathurst St., Toronto, ON. M5V 0H7 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, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

TSERETOPOULOS, Dean C.N.

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HARPER, Gregory Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

WALIA, Sarabjit Singh

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

NASIM, Sarir

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, Diane

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, John Jong Suk

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, John William

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HEATH, Simona

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

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

DEVICE LOCK BYPASS ON SELECTABLE ALERT

for which a United States Provisional Patent application was filed on **September 30, 2016** and accorded Application Serial Number **62/402,529** and United States Patent application was filed on **June 9, 2017** and accorded Application Serial Number **15/618,524** (further identified by Attorney Docket No. **337-0005USP1** and TD Reference No. **17008-DC-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, 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.

INVENTOR 1:

EXECUTED at (City, Province) _____, this ____ day of _____, 2017

TSERETOPOULOS, Dean C.N.

STATEMENT BY WITNESS

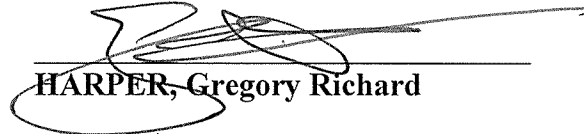
I, _____, whose full Post Office address is

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

(Signature of Witness)

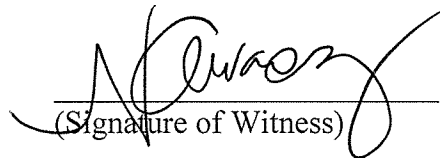
INVENTOR 2:

EXECUTED at (City, Province) TORONTO, ON, this 7 day of February, 2018


HARPER, Gregory Richard

STATEMENT BY WITNESS

I, Nicole Alvarez, 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, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

TSERETOPOULOS, Dean C.N.

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HARPER, Gregory Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

WALIA, Sarabjit Singh

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

NASIM, Sarir

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, Diane

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, John Jong Suk

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, John William

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HEATH, Simona

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

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

DEVICE LOCK BYPASS ON SELECTABLE ALERT

for which a United States Provisional Patent application was filed on **September 30, 2016** and accorded Application Serial Number **62/402,529** and United States Patent application was filed on **June 9, 2017** and accorded Application Serial Number **15/618,524** (further identified by Attorney Docket No. **337-0005USP1** and TD Reference No. **17008-DC-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, 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;

Firm Name: Rowand LLP

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.

INVENTOR 1:

EXECUTED at (City, Province) _____, this ____ day of _____, 2017

TSERETOPOULOS, Dean C.N.

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:

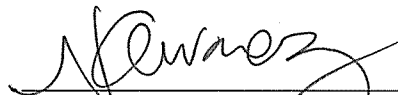
EXECUTED at (City, Province) Toronto, this 1 day of Dec, 2017



LEE, John Jong-Suk

STATEMENT BY WITNESS

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

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)");

TSERETOPOULOS, Dean C.N.

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HARPER, Gregory Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

WALIA, Sarabjit Singh

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

NASIM, Sarir

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, Diane

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, John Jong Suk

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, John William

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HEATH, Simona

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

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

DEVICE LOCK BYPASS ON SELECTABLE ALERT

for which a United States Provisional Patent application was filed on **September 30, 2016** and accorded Application Serial Number **62/402,529** and United States Patent application was filed on **June 9, 2017** and accorded Application Serial Number **15/618,524** (further identified by Attorney Docket No. **337-0005USP1** and TD Reference No. **17008-DC-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, 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;

Firm Name: Rowand LLP

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.

INVENTOR 1:

EXECUTED at (City, Province) _____, this _____ day of _____, 2017

TSERETOPOULOS, Dean C.N.


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) Wilmington, DE, this 14th day of March, 2018



THOMAS, John William

STATEMENT BY WITNESS

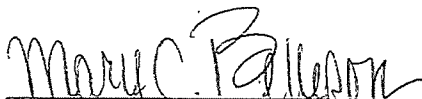
I, Mary C. Belleson,

whose full Post Office address is

1313 N. Market St., Wilmington, DE 19801

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, I/WE, (hereinafter referred to as the "ASSIGNOR(S)");

TSERETOPOULOS, Dean C.N.

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HARPER, Gregory Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

WALIA, Sarabjit Singh

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

NASIM, Sarir

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, Diane

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, John Jong Suk

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, John William

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HEATH, Simona

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

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

DEVICE LOCK BYPASS ON SELECTABLE ALERT

for which a United States Provisional Patent application was filed on **September 30, 2016** and accorded Application Serial Number **62/402,529** and United States Patent application was filed on **June 9, 2017** and accorded Application Serial Number **15/618,524** (further identified by Attorney Docket No. **337-0005USP1** and TD Reference No. **17008-DC-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, 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;

Firm Name: Rowand LLP

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.

INVENTOR 1:

EXECUTED at (City, Province) _____, this ____ day of _____, 2017

TSERETOPOULOS, Dean C.N.

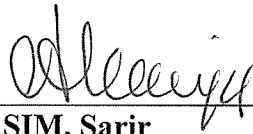
STATEMENT BY WITNESS

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 6 day of March, 2018

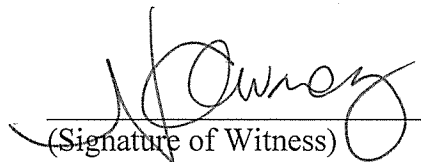


NASIM, Sarir

STATEMENT BY WITNESS

I, Nicole Alvarez, 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, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

TSERETOPOULOS, Dean C.N.

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HARPER, Gregory Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

WALIA, Sarabjit Singh

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

NASIM, Sarir

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, Diane

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, John Jong Suk

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, John William

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HEATH, Simona

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

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

DEVICE LOCK BYPASS ON SELECTABLE ALERT

for which a United States Provisional Patent application was filed on **September 30, 2016** and accorded Application Serial Number **62/402,529** and United States Patent application was filed on **June 9, 2017** and accorded Application Serial Number **15/618,524** (further identified by Attorney Docket No. **337-0005USP1** and TD Reference No. **17008-DC-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, 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;

Firm Name: Rowand LLP

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.

INVENTOR 1:

EXECUTED at (City, Province) _____, this ____ day of _____, 2017

TSERETOPOULOS, Dean C.N.

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:

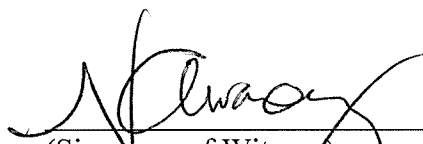
EXECUTED at (City, Province) Toronto, ON, this 28 day of Oct, 2017



WALIA, Sarabjit Singh

STATEMENT BY WITNESS

I, Nicole AWAKES, whose full Post Office address is
66 Wellington St. W. 15 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, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

TSERETOPOULOS, Dean C.N.

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HARPER, Gregory Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

WALIA, Sarabjit Singh

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

NASIM, Sarir

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, Diane

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

LEE, John Jong Suk

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, John William

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

THOMAS, Richard

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

HEATH, Simona

66 Wellington Street West, TD Tower, 15th Floor, Toronto, Ontario, M5K 1A2

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

DEVICE LOCK BYPASS ON SELECTABLE ALERT

for which a United States Provisional Patent application was filed on **September 30, 2016** and accorded Application Serial Number **62/402,529** and United States Patent application was filed on **June 9, 2017** and accorded Application Serial Number **15/618,524** (further identified by Attorney Docket No. **337-0005USP1** and TD Reference No. **17008-DC-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, 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.

INVENTOR 1:

EXECUTED at (City, Province) _____, this ____ day of _____, 2017

TSERETOPOULOS, Dean C.N.

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) Toronto, ON, this 15 day of February, 2018

SHeath
HEATH, Simona

STATEMENT BY WITNESS

I, Nicole Alvarez, whose full Post Office address is
60 Wellington St. W. 15th Floor, Toronto, ON was
personally present and did see the above named person, who is known to me, execute the above
Assignment.

[Signature]
(Signature of Witness)