PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MILOS DUNJIC	06/13/2022
DAVID SAMUEL TAX	06/17/2022
ARTHUR CARROLL CHOW	06/30/2022
ANTHONY HAITUYEN NGUYEN	06/21/2022

RECEIVING PARTY DATA

Name:	THE TORONTO-DOMINION BANK
Street Address:	66 WELLINGTON ST. WEST, TD TOWER, 15TH FLOOR
City:	TORONTO
State/Country:	CANADA
Postal Code:	M5K 1A2

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16578717	

CORRESPONDENCE DATA

Fax Number:

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: 4164798647

Email: mailbox@rowandlaw.com

Correspondent Name: ROWAND LLP

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ATTORNEY DOCKET NUMBER:	337-0157USP1
NAME OF SUBMITTER:	HUE-MI VUONG
SIGNATURE:	/Hue-Mi Vuong/
DATE SIGNED:	07/07/2022

Total Attachments: 6

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PATENT 507373359 REEL: 060431 FRAME: 0941

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> PATENT REEL: 060431 FRAME: 0942

TD Reference No. 19100-PMT-US-PAT

Firm Name: Rowand LLP

WORLDWIDE ASSIGNMENT

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

DUNJIC, Milos - 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada

TAX, David Samuel - 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada

CHOW, Arthur Carroll - 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada

NGUYEN, Anthony Haituyen - 66 Wellington St. W., 15th Floor, Toronto, ON, M5K 1A2, Canada

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

SYSTEMS AND METHODS FOR EVALUATING DATA ACCESS SIGNATURE OF THIRD-PARTY APPLICATIONS

for which a United States Patent application was filed on **September 23, 2019** and accorded Application Serial Number **16/578,717** (further identified by Attorney Docket No. **337-0157USP1** and TD Reference No. **19100-PMT-US-PAT**, hereinafter the "Patent Application"), and

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

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

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Firm Name: Rowand LLP

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.

TD Reference No. 19100-PMT-US-PAT

Firm Name: Rowand LLP

EXECUTED at (City, Provi	nce) VAKVILLE, ON, this 13 day of June, 2022
	DUPJIC, Milos
	STATEMENT BY WITNESS
I,	, whose full Post Office address is
	was
personally present and did s	ee the above named person, who is known to me, execute the above
Assignment.	
	(Signature of Witness)

EXECUTED at (City, Province) Toronto, (Ontario	, this <u>17th</u> day of June	, 2022
	Dan	ind Tans	
	TAX, Dav	vid Samuel	
STATEM	MENT BY W	ITNESS	
I,		, whose full Post Office	address is
			was
personally present and did see the above na	amed person	, who is known to me, execu	te the above
Assignment.			
(S	ignature of V	Witness)	

EXECUTED at (City, Pro-	vince) MARKHAM, ONT	, this <u>?o</u>	, 2022
		H.G.,	
	CHOW,	Arthur Carroll	
	STATEMENT BY	WITNESS	
, <u>11, Su</u>	LWAN	whose full Post Office a	iddress is
<u> 70-3050 EUS</u>	MERG ROAD TORONT	0, ON MIE SEL	¥88
personally present and did	see the above named perso	m, who is known to me, execut	e the above
Assignment.			
	(Signature of	Van Alder (Witness)	

EXECUTED at (City, Province) Toronto, Ontario,	this 21	_day of June	, 2022	
A M guyen				
NGUYEN, Anthony Haituyen				
STATEMENT BY WITNESS				
I,	_, whose f	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 Witn	ness)			

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PATENT REEL: 060431 FRAME: 0948