

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
	Name	Execution Date	
	VINCENT ROSANOVA	05/21/2020	
	WENDY ELIZABETH MURPHY	05/06/2020	
RECEIVING PARTY DATA			
Name:	THE TORONTO-DOMINION BANK		
Street Address:	66 WELLINGTON ST. W., 15TH FLOOR		
City:	TORONTO		
State/Country:	CANADA		
Postal Code:	M5K 1A2		
PROPERTY NUMBERS Total: 1			
	Property Type	Number	
	Application Number:	16837167	
CORRESPONDENCE DATA			
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ATTORNEY DOCKET NUMBER:	337-0223USP1		
NAME OF SUBMITTER:	SHANNON THOMAS		
SIGNATURE:	/Shannon Thomas/		
DATE SIGNED:	05/28/2020		
Total Attachments: 4			
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source=20015-DCP-US-PAT-ASN-ROSANOVA#page1.tif			

WORLDWIDE ASSIGNMENT

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

ROSANOVA, Vincent - 66 Wellington St. W., 15th Floor, Toronto, Ontario, M5K 1A2

MURPHY, Wendy Elizabeth - 66 Wellington St. W., 15th Floor, Toronto, Ontario, M5K 1A2

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

**SYSTEMS AND METHODS FOR MANAGING USAGE OF COMPUTING
RESOURCES**

for which a United States Patent application was filed on **April 1, 2020** and accorded Application Serial Number **16/837,167** (further identified by Attorney Docket No. **337-0223USP1** and TD Reference No. **20015-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, 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.

EXECUTED at (City, Province) _____, this ____ day of _____, 2019

ROSANOVA, Vincent

STATEMENT BY WITNESS

I, _____, whose full Post Office address is

_____ was

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

(Signature of Witness)

EXECUTED at (City, Province) Toronto, ON, this 6 day of MAY, ~~2019~~ 2020

Wendy Murphy
MURPHY, Wendy Elizabeth

STATEMENT BY WITNESS

I, GERALD MURPHY, whose full Post Office address is
112 YONGE BLD, 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)

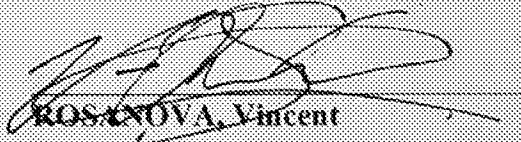
successors and assigns, to file and prosecute the Patent Application, and any and all substitutes, continuations, continuations-in-part, divisions, or extensions thereof, and any and all reissues of the Letters Patent granted upon the Patent Application, and any and all applications for foreign Letters Patent on the inventions; and ASSIGNOR(S) further agrees/agree to execute any and all further papers without charge which may be necessary or desirable to vest or perfect the title of

ASSIGNEE, its successors and assigns, in and to the Patent Application and the inventions therein disclosed or claimed, and in and to any and all Letters Patent and reissues thereof, in the United States of America, Canada, and foreign countries, which may be granted upon the Patent Application, and any substitutes, continuations, continuations-in-part, divisions, re-issues or extensions thereof, and upon any foreign applications;

AND I/WE, ASSIGNOR(S) hereby authorizes/authorize and requests/request the Patent Office to issue each and every Letters Patent to be granted upon the Patent Application for United States Letters Patent, and upon any and all substitutes, continuations, continuations-in-part, divisions, or extensions of the Patent Application, and each and every reissue of the Letters Patent, to the ASSIGNEE, its successors and assigns, as the assignee of the entire right, title and interest therein, in accordance with this assignment;

AND I/WE, ASSIGNOR(S) each individually hereby represent and warrant that I have read and fully understand the terms and provisions hereof, have had an opportunity to obtain independent legal advice, and have executed this assignment based upon my own judgment and advice of independent legal counsel (if sought), or alternatively, have waived the right to obtain independent legal counsel.

EXECUTED at (City, Province) WHITBY, ONTARIO, this 21st day of MAY, 2020



ROSANOVA, Vincent

STATEMENT BY WITNESS

I, Rebecca Mercone, whose full Post Office address is

43 Foster Crescent Whitby, ON L1R 1W1 was

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


(Signature of Witness)