

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AMIT KUMAR TIWARI	01/11/2024
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ROYAL BANK OF CANADA
<b>Street Address:</b>	200 BAY STREET
<b>Internal Address:</b>	6TH FLOOR, SOUTH TOWER, ROYAL BANK PLAZA
<b>City:</b>	TORONTO
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	M5J 2J5
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17550783
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(604)683-3558
<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>	
<b>Phone:</b>	1-604-683-6498
<b>Email:</b>	IP-Vancouver@gowlingwlg.com
<b>Correspondent Name:</b>	GOWLING WLG (CANADA) LLP
<b>Address Line 1:</b>	SUITE 2300, 550 BARRARD STREET
<b>Address Line 4:</b>	VANCOUVER, CANADA V6C 2B5
<b>ATTORNEY DOCKET NUMBER:</b>	V816783US/RJR
<b>NAME OF SUBMITTER:</b>	ROCH J. RIPLEY
<b>SIGNATURE:</b>	/Roch J. Ripley/
<b>DATE SIGNED:</b>	01/18/2024
<b>Total Attachments: 4</b>	
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## PATENT ASSIGNMENT

WHEREAS, **NARIMAN MAMMADLI** c/o Royal Bank of Canada, 6th Floor, South Tower, Royal Bank Plaza, 200 Bay Street, Toronto, Ontario, M5J 2J5, Canada; **DHANYA JOTHIMANI** c/o Royal Bank of Canada, 6th Floor, South Tower, Royal Bank Plaza, 200 Bay Street, Toronto, Ontario, M5J 2J5, Canada; **RAMANPREET SINGH** c/o Royal Bank of Canada, 6th Floor, South Tower, Royal Bank Plaza, 200 Bay Street, Toronto, Ontario, M5J 2J5, Canada; **CATHAL SMYTH** c/o Royal Bank of Canada, 6th Floor, South Tower, Royal Bank Plaza, 200 Bay Street, Toronto, Ontario, M5J 2J5, Canada; **FELIX KURMISH** c/o Royal Bank of Canada, 6th Floor, South Tower, Royal Bank Plaza, 200 Bay Street, Toronto, Ontario, M5J 2J5, Canada; and **AMIT KUMAR TIWARI** c/o Royal Bank of Canada, 6th Floor, South Tower, Royal Bank Plaza, 200 Bay Street, Toronto, Ontario, M5J 2J5, Canada (“**ASSIGNORS**”) have invented an invention, (the “**Invention**”) for which the following patent and/or utility model applications have been filed:

United States Patent Application No. 17/550,783, filed on December 14, 2021, and entitled “METHOD AND SYSTEM FOR FACILITATING IDENTIFICATION OF ELECTRONIC DATA EXFILTRATION”

Canadian Patent Application No. 3,183,454, filed on December 06, 2022, and entitled “METHOD AND SYSTEM FOR FACILITATING IDENTIFICATION OF ELECTRONIC DATA EXFILTRATION”

AND WHEREAS, **ROYAL BANK OF CANADA**, having a place of business at 200 Bay Street, 6th Floor, South Tower, Royal Bank Plaza, Toronto, ON, M5J 2J5, Canada (“**ASSIGNEE**”), is desirous of confirming that ASSIGNEE has acquired and had assigned to ASSIGNEE, and by way of further assurances is desirous of acquiring and having assigned to ASSIGNEE, the full right, title, and interest of ASSIGNORS in and to the Invention and in and to any and all applications and/or Letters Patent that may be granted therefor in any and all countries and jurisdictions.

NOW, THEREFORE, in consideration of the foregoing premises, and of the sum of one dollar (\$1.00) and for other good and valuable consideration, the receipt and sufficiency of which ASSIGNORS hereby acknowledge, ASSIGNORS confirm having sold, assigned, and transferred absolutely, at least as of December 14, 2021, and by way of further assurances do hereby sell, assign, and transfer absolutely, to ASSIGNEE the full and exclusive right, title, and interest of ASSIGNORS in and to:

- (a) the Invention worldwide;
- (b) any and all patent and utility model applications for the Invention in all countries and jurisdictions and under all conventions and treaties (including the above-listed applications), including the right to claim for any and all applications any priority rights to which such applications are entitled under conventions, treaties, or otherwise, and all divisions, extensions, continuations, continuations-in-part, provisionals, non-provisionals, substitutions, and renewals thereof (collectively, the “**Patent Applications**”);
- (c) any and all Letters Patent that may be granted for the Patent Applications in any and all countries and jurisdictions, including without limitation any renewals, reissues, re-examinations, and/or extensions thereof (collectively, the “**Letters Patent**”); and
- (d) the exclusive right to bring or participate in any proceeding for past, present or future infringement or any other actionable right under any or all of the foregoing and to receive

all remedies that arise therefrom as fully and entirely as the same would have been held by ASSIGNORS had this Assignment not been made;

(collectively, the “**Patent Rights**”).

ASSIGNORS authorize and request the patent offices in all countries and jurisdictions to issue any and all of the Letters Patent, when granted, to ASSIGNEE or successors or assigns of ASSIGNEE.

ASSIGNORS represent that ASSIGNORS have not executed any agreement or assignment in conflict with this Assignment. Furthermore, ASSIGNORS shall not execute any agreement or assignment in conflict with this Assignment.

ASSIGNORS shall, each time upon request by ASSIGNEE or legal representatives, successors, nominees or assigns of ASSIGNEE, without delay and without further consideration, but at the expense of ASSIGNEE: communicate to ASSIGNEE or legal representatives, successors, nominees or assigns of ASSIGNEE any facts known to ASSIGNORS respecting the Patent Rights; testify in any legal proceeding; sign all lawful papers; execute all papers relating to any and all of the Patent Applications and the Letters Patent; execute all necessary assignment papers to cause any and all of the Letters Patent to be issued to ASSIGNEE or successors or assigns of ASSIGNEE; make all rightful oaths; and generally do everything possible to aid ASSIGNEE or legal representatives, successors, nominees or assigns of ASSIGNEE to obtain, vest, register, record, confirm, maintain, perfect, prove, enforce and/or defend the Patent Rights in any and all countries and jurisdictions.

ASSIGNORS and ASSIGNEE authorize the firm of Gowling WLG (Canada) LLP to correct errors in this Assignment or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in any country.

ASSIGNORS and ASSIGNEE agree that: this Assignment may be executed and delivered in any number of counterparts and each executed counterpart shall be deemed to be an original and such counterparts will together constitute one and the same Assignment; and delivery of this Assignment by facsimile, e-mail, or functionally equivalent electronic transmission constitutes valid and effective delivery.

**Execution by ASSIGNORS:**

By: \_\_\_\_\_  
(Signature)

Name: Nariman Mammadli

Date: \_\_\_\_\_

At: \_\_\_\_\_  
(City and Country where Executed)

**Execution by ASSIGNORS:**

By: \_\_\_\_\_  
(Signature)

Name: Dhanya Jothimani

Date: \_\_\_\_\_

At: \_\_\_\_\_  
(City and Country where Executed and Witnessed)

**WITNESS:**

By: \_\_\_\_\_  
(Signature)

Name: \_\_\_\_\_

**Execution by ASSIGNORS:**

By: \_\_\_\_\_  
(Signature)

Name: Ramanpreet Singh

Date: \_\_\_\_\_

At: \_\_\_\_\_  
(City and Country where Executed)

**Execution by ASSIGNORS:**

By: \_\_\_\_\_  
(Signature)

Name: Cathal Smyth

Date: \_\_\_\_\_

At: \_\_\_\_\_  
(City and Country where Executed)

**Execution by ASSIGNORS:**

By: \_\_\_\_\_  
(Signature)

Name: Felix Kurmish

Date: \_\_\_\_\_

At: \_\_\_\_\_  
(City and Country where Executed)

**Execution by ASSIGNORS:**

By: \_\_\_\_\_  
e-Signed by Amit Kumar Tiwari  
on 2024-01-11 04:21 GMT  
(Signature)

Name: Amit Kumar Tiwari

Date: 2024-01-11

At: Oshawa , Canada  
(City and Country where Executed)

**Execution by ASSIGNEE:**

By: \_\_\_\_\_  
e-Signed by James Catsburg  
on 2024-01-10 01:25 GMT  
(Signature)

Name: James Catsburg

Job Title: Managing Counsel

Date: 2024-01-10

At: Toronto, Canada  
(City and Country where Executed)