PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VIPUL KISHORE LALKA	04/25/2018
EDWARD ROBERT LUCAS LOUNSBURY	03/12/2018
ARUN VICTOR JAGGA	03/08/2018
JOHN JONG-SUK LEE	12/01/2017
SARABJIT SINGH WALIA	10/25/2017

RECEIVING PARTY DATA

Name:	THE TORONTO-DOMINION BANK
Street Address:	66 WELLINGTON STREET WEST
Internal Address:	12TH FLOOR
City:	TORONTO
State/Country:	CANADA
Postal Code:	M5K 1A2

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15724489

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

214-292-4039 Phone: Email: apsi@fr.com

FISH & RICHARDSON P.C. **Correspondent Name:**

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ATTORNEY DOCKET NUMBER:	36302-0125001
NAME OF SUBMITTER:	PEGGY C. HARRIS
SIGNATURE:	/Peggy C. Harris/
DATE SIGNED:	06/25/2018

Total Attachments: 6

PATENT REEL: 046189 FRAME: 0013

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PATENT REEL: 046189 FRAME: 0014

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, VIPUL KISHORE LALKA, EDWARD ROBERT LUCAS LOUNSBURY, ARUN VICTOR JAGGA, JOHN JONG-SUK LEE, and <a href="SARABJIT SINGH WALIA, each individually assign to THE TORONTO-DOMINION BANK, a corporation formed under the laws of Canada and having a principal place of business at 66 Wellington Street West, 12th Floor, Toronto, Ontario M5K 1A2, CANADA, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "CONTEXTUAL GEO-LOCATION IDLING," and was filed in the United States Patent and Trademark Office on October 4, 2017, as application 15/724,489 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and

Vipul Kishore Lalka	Date: 4 25 2018
Vipul Kishore Lalka	
Edward Robert Lucas Lounsbury	Date:
Arun Victor Jagga	Date:
That Yuma sagga	Section 2
John Jong-Suk Lee	Date:
Sarabjît Singh Walia	Date:
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Vipul Kishore Lalka	Date:
Edward Robert Lucas Lounsbury	Date: <u>March 12, 201</u> 8
Arun Victor Jagga	Date:
John Jong-Suk Lee	Date:
Sarabjit Singh Walia	Date:
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