

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6621253

| | |
|---|------------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| | |
| Name | Execution Date |
| JOHN HEARTY | 01/06/2021 |
| ANTON LAPTIEV | 01/14/2021 |
| HANHAN WU | 07/06/2020 |
| CARRIE KA LAI CHEUNG | 06/28/2020 |
| SIK SUEN CHAN | 07/21/2020 |
| PARIN PRASHANT SHAH | 06/29/2020 |
| RECEIVING PARTY DATA | |
| Name: | MASTERCARD TECHNOLOGIES CANADA ULC |
| Street Address: | 475 HOWE STREET |
| Internal Address: | 20TH FLOOR |
| City: | VANCOUVER |
| State/Country: | CANADA |
| Postal Code: | V6C 2B3 |
| PROPERTY NUMBERS Total: 1 | |
| | |
| Property Type | Number |
| Application Number: | 16804731 |
| CORRESPONDENCE DATA | |
| Fax Number: | (414)277-0656 |
| <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: | 4142716560 |
| Email: | mkeipdocket@michaelbest.com |
| Correspondent Name: | MICHAEL BEST & FRIEDRICH LLP |
| Address Line 1: | 790 N. WATER STREET |
| Address Line 2: | SUITE 2500 |
| Address Line 4: | MILWAUKEE, WISCONSIN 53202 |
| ATTORNEY DOCKET NUMBER: | 490836-9047-US04 |
| NAME OF SUBMITTER: | RUSSELL M. STEINBRENNER |
| SIGNATURE: | /Russell M. Steinbrenner/ |
| DATE SIGNED: | 03/25/2021 |

PATENT

Total Attachments: 7

source=490836-9047-US04 Assignment#page1.tif

source=490836-9047-US04 Assignment#page2.tif

source=490836-9047-US04 Assignment#page3.tif

source=490836-9047-US04 Assignment#page4.tif

source=490836-9047-US04 Assignment#page5.tif

source=490836-9047-US04 Assignment#page6.tif

source=490836-9047-US04 Assignment#page7.tif

WORLDWIDE ASSIGNMENT

WHEREAS, WE,

John Hearty, a citizen of the United Kingdom, having a residence in Vancouver, British Columbia CANADA,

Anton Laptiev, a citizen of Canada, having a residence in Vancouver, British Columbia CANADA,

Hanhan Wu, a citizen of China, having a residence in Surrey, British Columbia CANADA,

Carrie Ka Lai Cheung, a citizen of Canada, having a residence in Burnaby, British Columbia CANADA,

Sik Suen Chan, a citizen of Canada, having a residence in Richmond, British Columbia CANADA,

Parin Prashant Shah, a citizen of India, having a residence in Vancouver, British Columbia CANADA,

(hereinafter "Assignor"), have made an invention entitled "**FEATURE DRIFT HARDENED ONLINE APPLICATION ORIGATION (OAO) SERVICE FOR FRAUD PREVENTION SYSTEMS**" as set forth and described in U.S. Patent Application No. 16/804,731, filed February 28, 2020; and

WHEREAS, **MASTERCARD TECHNOLOGIES CANADA ULC**, having its principal place of business at **475 Howe St. 20th Floor, Vancouver, British Columbia, V6C 2B3, CANADA**, hereinafter referred to as Assignee, is desirous of acquiring the whole right, title and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating

to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights.

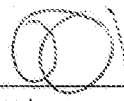
Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, any derivation proceedings relating thereto, and as to Letters Patent any supplemental examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter partes review, or extension thereof, and for litigation regarding, or for the purpose of defending the validity of or protecting title to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee and its successors in interest without further or other compensation than that above set forth.

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment. Assignor further covenants not to challenge, or assist or participate in any third party challenge to, the assigned inventions, or any patent application or patent thereon, whether by litigation, post grant review, inter partes review, covered business method review, reexamination, or otherwise.

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby authorize the attorneys of MICHAEL BEST & FRIEDRICH LLP the power to insert in the spaces provided above the title of the invention, filing date, application number, and attorney's docket number of said application when known.

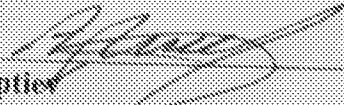
I, the said **ASSIGNOR** have executed this Assignment this 6th day of January, 2020. gn
2020



John Hearty

I, the said ASSIGNOR have executed this Assignment this 14 day of JANUARY, 2020.

2021/14/01


Anton Laptier

I, the said ASSIGNOR have executed this Assignment this _____ day of _____, 2020.

Hanhan Wu

I, the said ASSIGNOR have executed this Assignment this _____ day of _____, 2020.

Carrie Ka Lai Cheung

I, the said ASSIGNOR have executed this Assignment this _____ day of _____, 2020.

Sik Suen Chan

I, the said ASSIGNOR have executed this Assignment this _____ day of _____, 2020.

Anton Laptley

I, the said ASSIGNOR have executed this Assignment this July 6th day of _____, 2020.

Hanhan Wu
Hanhan Wu

I, the said ASSIGNOR have executed this Assignment this _____ day of _____, 2020.

Carrie Ka Lai Cheung

I, the said ASSIGNOR have executed this Assignment this _____ day of _____, 2020.

Sik Suen Chan

I, the said **ASSIGNOR** have executed this Assignment this _____ day of _____, 2020.

Anton Laptiev

I, the said **ASSIGNOR** have executed this Assignment this _____ day of _____, 2020.

Hanhan Wu

I, the said **ASSIGNOR** have executed this Assignment this 27th day of June, 2020.



Carrie Ka Lai Cheung

I, the said **ASSIGNOR** have executed this Assignment this _____ day of _____, 2020.

Sik Suen Chan

I, the said ASSIGNOR have executed this Assignment this _____ day of _____, 2020.

Anton Laptiev

I, the said ASSIGNOR have executed this Assignment this _____ day of _____, 2020.

Hanhan Wu

I, the said ASSIGNOR have executed this Assignment this _____ day of _____, 2020.

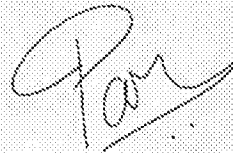
Carrie Ka Lai Cheung

I, the said ASSIGNOR have executed this Assignment this 21 day of July, 2020.



Sik Suen Chan

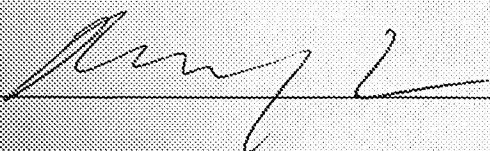
I, the said ASSIGNOR have executed this Assignment this 29th day of
June, 2020.



Parin Prashant Shah

Agreed and accepted this 9th day of February, ~~2020~~ 2021.

MASTERCARD TECHNOLOGIES CANADA ULC

By: 

Name & Title: Randy Lukashuk - Senior Vice President, Chief Technology Officer