

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4357309

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ASHISH RAGHAVENDRA TETALI	03/29/2017
RAVI KIRAN AVULA	03/29/2017
UTTRA SINGH TETALI	03/29/2017
RECEIVING PARTY DATA	
Name:	MASTERCARD INTERNATIONAL INCORPORATED
Street Address:	2000 PURCHASE STREET
City:	PURCHASE
State/Country:	NEW YORK
Postal Code:	10577
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15481248
CORRESPONDENCE DATA	
Fax Number:	(314)612-2307
<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:	314-621-5070
Email:	USpatents@armstrongteasdale.com
Correspondent Name:	DANIEL M. FITZGERALD (21652) ARMSTRONG T
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ATTORNEY DOCKET NUMBER:	21652-00735
NAME OF SUBMITTER:	DANIEL M. FITZGERALD
SIGNATURE:	/Daniel M. Fitzgerald/
DATE SIGNED:	04/06/2017
Total Attachments: 4	
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WORLDWIDE ASSIGNMENT

WHEREAS, WE,

Ashish Raghavendra Tetali, a citizen of **India**, having a residence address at 3 Ravenswood Ridge Ct., Dardenne Prairie, Missouri, 63368 USA; **Ravi Kiran Avula** a citizen of **India**, having a residence address at 6107 Little Piney Dr., Lake St. Louis, Missouri 63367 USA; and, **Uttra Singh Tetali**, a citizen of **India**, having a residence address at 3 Ravenswood Ridge Ct, Dardenne Prairie, Missouri 63368 USA,

(hereinafter "Assignor"), have made an invention entitled "**SYSTEMS AND METHODS FOR ENHANCED USER AUTHENTICATION**" as set forth and described in U.S. Application No. **15/481,248**, filed **April 6, 2017**; International Application No. _____, filed _____; United States Provisional Application No. _____, filed _____; and

WHEREAS, **MASTERCARD INTERNATIONAL INCORPORATED**, having its principal place of business at **2000 Purchase Street, Purchase, NY 10577**, 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.

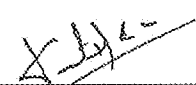
Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid,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

The undersigned hereby authorize the attorneys of Armstrong Teasdale, LLC, 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.

IN WITNESS WHEREOF, I, the said ASSIGNOR have executed this Assignment this
29 day of March, 2017.



Ashish Raghavendra Tetali




Witness Signature

KARTIK VASANT MADANE
Witness Name

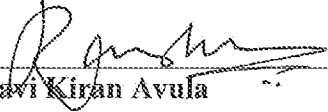
Agreed and accepted this 6th day of April, 2017.

MASTERCARD INTERNATIONAL INCORPORATED

By:  _____

Title: VT Senior Managing Counsel _____

IN WITNESS WHEREOF, I, the said ASSIGNOR have executed this Assignment this
29th day of March, 2017.



Ravi Kiran Avula


Witness Signature

KARTIK VASANT MADANE
Witness Name

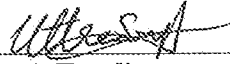
Agreed and accepted this 6th day of April, 2017.

MASTERCARD INTERNATIONAL INCORPORATED

By: 

Title: VP Senior Managing Counsel

IN WITNESS WHEREOF, I, the said ASSIGNOR have executed this Assignment this
29 day of March, 2017.



Ultra Singh Tetali



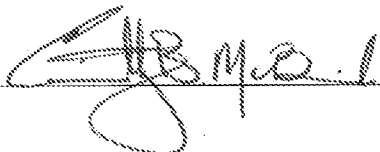
Witness Signature

KARTIK VASANT MADANE

Witness Name

Agreed and accepted this 6th day of April, 2017.

MASTERCARD INTERNATIONAL INCORPORATED

By: 

Title: VP Senior Managing Counsel
