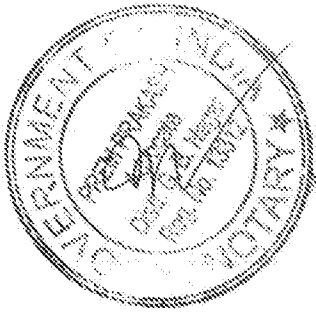


PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5797255

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ARUNMURTHY GURUNATHAN	12/20/2018
RAVI PAREEK	12/20/2018
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:	16668687
CORRESPONDENCE DATA	
Fax Number:	(314)726-7501
<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:	314-726-7500
Email:	gwmefile@hdp.com
Correspondent Name:	BRIAN G. PANKA
Address Line 1:	7700 BONHOMME
Address Line 2:	SUITE 400
Address Line 4:	ST. LOUIS, MISSOURI 63105
ATTORNEY DOCKET NUMBER:	16754-000602-US
NAME OF SUBMITTER:	BRIAN G. PANKA
SIGNATURE:	/BRIAN G. PANKA/
DATE SIGNED:	10/31/2019
Total Attachments: 3	
source=Assignment_executed#page1.tif	
source=Assignment_executed#page2.tif	
source=Assignment_executed#page3.tif	



PO881184-0711
P18107891N-01

WORLDWIDE ASSIGNMENT

WHEREAS, We, (i) Anamunthy Gurunathan, a citizen of India, having a residence address at Flat A 403, Flat No: 11/1, B.E.Bhausaheb Aachade Rd Tukaram Nagar, Kharadi Bypass Road, Pune, Maharashtra 411014, India, and (ii) Ravi Patil a citizen of India, having a residence address at A5-302, Canelet Society S No 213/1, Near Konark Campus, Pune, Maharashtra 411014, India, (hereinafter "Assignor"), have made an invention entitled "System, Methods and Computer Program Products for Identity Authentication for Electronic Payment Transactions" as set forth and described in Indian Application No. _____, filed on _____; International Application No. _____, filed on _____; United States Patent Application No. _____, filed _____; and

WHEREAS, MASTERCARD INTERNATIONAL INCORPORATED, having its principal place of business at 2000 PURCHASE STREET, PURCHASE, NY 10577, THE UNITED STATES OF AMERICA, 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 India, 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, issue

-1-

True Copy Attested

PREM PRAKASH
Notary Public
(G. S. Nagar)

28 DEC 2018

PATENT

REEL: 050896 FRAME: 0752

IN WITNESS WHEREOF, I, the said ASSIGNOR have executed this Assignment this
26th day of December, 2018.

Ravi Pareek
Ravi Pareek
Ravi Pareek
Witness Signature
Dattesh Malik
Witness Name

Agreed and accepted this 26th day of Dec, 2018.

MASTERCARD INTERNATIONAL INCORPORATED

By: [Signature]

Title: Timothy McBride - Vice President and Senior Managing Counsel



True Copy Attached [Signature]

PRAGASH
Notary Public
P. B. Nagari

28 DEC 2018