PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5814239

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ASHUTOSH GUPTA	10/24/2016

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:	16680185

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ATTORNEY DOCKET NUMBER:	P03457-US-CONT
NAME OF SUBMITTER:	ERIC L. SOPHIR
SIGNATURE:	/Eric L. Sophir/
DATE SIGNED:	11/11/2019

Total Attachments: 2
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WORLDWIDE ASSIGNMENT

WHEREAS, I,

Ashutosh GUPTA, an Indian citizen, having a residence address at **A 10/30 Prahlad Ghat, Varanasi, Uttar Pradesh, 221001 India**, (hereinafter "ASSIGNOR"), have made an invention entitled "**NEURAL NETWORK LEARNING FOR THE PREVENTION OF FALSE POSITIVE AUTHORIZATIONS**" as set forth and described in the application filed concurrently herewith; and

WHEREAS, **MASTERCARD INTERNATIONAL INCORPORATED** (hereinafter "ASSIGNEE"), having its principal place of business at **2000 Purchase Street, Purchase, NY 10577**, is desirous of acquiring the whole right, title and interest in and to said application for Letters Patent, and any continuations, divisions, extensions, substitutions, reissues and reexaminations thereof;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that I, the said **ASSIGNOR**, for and in consideration of valuable considerations unto us moving from said **ASSIGNEE**, at or before the ensealing and delivery of these presents, the receipt and sufficiency of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto said **ASSIGNEE**, its successors and assigns, the entire right, title and interest in and to the said invention entitled "**NEURAL NETWORK LEARNING FOR THE PREVENTION OF FALSE POSITIVE AUTHORIZATIONS**" and any and all improvements thereto, and in and to said application and any division, continuation or continuation-in-part thereof, and in and to any Letters Patent of the United States which may be issued on any of said applications, and any reissues thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, and in and to any other applications based in whole or in part on any of the foregoing, TO HAVE AND TO HOLD THE SAME to the full end of the term or terms for which any and all said Letters Patent may be granted;

AND WE, the said **ASSIGNOR**, do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent of the United States to said **ASSIGNEE**, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said **ASSIGNEE**, its successors and assigns;

AND WE, the said **ASSIGNOR**, for the considerations aforesaid, do hereby covenant and agree to and with said **ASSIGNEE**, its successors and assigns, that we have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that we, our executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for said **ASSIGNEE**, its successors and assigns, may be required or necessary more effectively to secure to and vest in said **ASSIGNEE**, its successors and assigns, the entire right, title and interest in and to said invention and

improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that we will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.

IN WITNESS WHEREOF, I, the said **ASSIGNOR** have executed this Assignment this 24th day of ___October___ , 201 8 .

Ashutosh Gupta
Ashutosh GUPTA

Randhir.
Witness Signature

Randhir Kumar.
Witness Name