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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4788880

SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEY	ANCE:	ASSIGNMENT				
CONVEYING PARTY	DATA					
	Execution Date					
KARTHIK SHYAMSUNDER				09/03/2015		
NEEL GOYAL				09/03/2015		
VALINDER MANGAT				09/03/2015		
DANIEL SCHONFELD)			09/03/2015		
BURTON S KALISKI J			09/03/2015			
RECEIVING PARTY D	ΑΤΑ					
Name:	VERIS	VERISIGN, INC.				
Street Address:	12061	12061 BLUEMONT WAY				
City:	RESTO	RESTON				
State/Country:	VIRGIN	VIRGINIA				
Postal Code:	20190	20190				
PROPERTY NUMBER Property Typ		Number				
		15697171				
using a fax number, f Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4:	be sent to if provideo e:	<i>o the e-mail address first; if tha</i> <i>I; if that is unsuccessful, it will</i> hgalloway@mh2law.com MH2 TECHNOLOGY LAW GRO 1951 KIDWELL DRIVE SUITE 550 TYSONS CORNER, VIRGINIA 2	<i>be sent</i> UP			
			11569.0248-01			
NAME OF SUBMITTER	{:		ANDREW P BROGAN			
			/Andrew P Brogan/			
DATE SIGNED:		01/23/2018				
Total Attachments: 4 source=ASSIGNMENT#	#page1.tif					

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ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

WHEREAS I/We, the below named inventors, (hereinafter referred to as Assignors), have made an invention claimed and/or described in an application for United States Letters Patent entitled:

PROVISIONING FOR SMART NAVIGATION SERVICES

WHEREAS, Verisign, Inc.	
a compration of Delaware	
whose post office address is	12061 Bluemont Way, Reston, VA 20190

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions and continuations thereof, and any provisional application whose benefit is claimed therefrom, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, as well as all rights to claim priority on the basis of this application in any foreign country, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request my/our agents, MH2 Technology Law Group LLP, whose address is 1951 Kidwell Drive, Suite 550, Tysons Corner, VA 22182, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said application when known.

PATENT REEL: 044701 FRAME: 0645

As a named inventor below, I hereby declare that: (1) this declaration is directed to the above-identified application; (2) the above-identified application was made or authorized to be made by me; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.

As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the USPTO all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

Authorization To Permit Access To Application by Participating Offices:

If checked, the undersigned hereby grants the USPTO authonty to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to have access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the Applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application is filed to have access to the above-identified application is filed to have access to the above-identified application is filed to have access to the above identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application; and 3) any U.S. application-asfiled from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

County of Jai / fax	<u> </u>	Name:	Karthik Shyamsunder
V) 88.	Mailing Address:	12061 Bluemont Way
×) -		Reston, VA 20190
s 2	3.	Residence:	Winchester, VA
State of Virinia	<u></u> §	By:	- p pm
		Date	09/03/2015
Subscribed and swom to befor	e me this <u>1777</u> u	ay or <u>55627</u> -202	A DUBLIC NOTARY PUBLIC REG #7500058 WY COMMISSION EXPIRES 07/31/2018 WEALTH OF
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PATENT REEL: 044701 FRAME: 0646

SOLO/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 11569.0248

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County of Ahirhax)		Name	Neel Goyal
	SS.	Mailing Address:	12061 Bluemont Way
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State of Virginian)		By:	Aut And
		Date:	\$13/2015
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/ ,			The State of the S
County of fairfax)		Name:	Valinder Mangat
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County of Acinful)		Name:	Daniel Schonfeld
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Page 3 of 4			
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PATENT REEL: 044701 FRAME: 0647

County o	1 Jailan	_)	Name:	Burton S. Kaliski, Jr.
	V) ss.	Mailing Address:	12061 Bluemont Way
)		Reston, VA 20190
)	Residence:	McLean, VA
State of	Vilginia	_)	By:	<u>(5 M/3</u>
	Same and the second		Date:	1 "V Seytember 8, 2015
	ed and sworn to before m <u>દ્ર ીરદ Mશિધનિ</u> , No		tay of <u>September</u> 20 <u>13</u>	JAMIE LEE MCNULTY Notary Public Commonwealth of Virginia 7031891 My Commission Expires Apr 30, 2018

RECORDED: 01/23/2018