## 504731837 01/16/2018 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NATURE OF CONVEYANCE:		NEW ASSIGNMENT		
		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ			
		Name		Execution Date
VEERESH KINAGI				08/07/2017
RECEIVING PARTY DA	TA			
Name:	VISA IN	VISA INTERNATIONAL SERVICE ASSOCIATION		
Street Address:	P.O. BO	P.O. BOX 8999		
City:	SAN FR	SAN FRANCISCO		
State/Country:	CALIFO	CALIFORNIA		
Postal Code:	94128			
Property Type	5 Total: 1	<b>Number</b> 15540759		
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Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER:	DATA (4 provided; 4 n k T S	415)576-0300 the e-mail address first; if that is if that is unsuccessful, it will b 155760200 nmoy@kilpatricktownsend.com (ILPATRICK TOWNSEND STOCH TWO EMBARCADERO STREET, SAN FRANCISCO, CALIFORNIA 9 79900-1049915 (931US02) MARILYN MOY	e <i>sent via U</i> KTON LLP 19TH FLOO	IS Mail.

## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

acknowledged, I hereby assign to the ASSIGNEE, the entire right, title and interest in said invention and in the above- identified United States patent application and in all divisions, continuations and continuations-in-part of said application, and reissues, extensions and renewals of Letters Patent granted thereon, and in all corresponding patent applications filed in countries foreign to the United States ("foreign countries") and corresponding international patent applications, and in all Letters Patents issuing on any such patent applications in the United States and foreign countries; I hereby assign to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its own name and the right to claim priority to the above-identified United States patent application under the terms of the International Convention and any other relevant treaties; I hereby authorize and request the United States Patent & Trademark Office and officials in patent offices in foreign countries to issue any and all of said Letters Patent to the ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of the ASSIGNEE, its successors, assigns, and legal representatives, to the full end of the term for which said Letters Patent may be granted; and Further, I agree that, without further consideration, I will communicate to the ASSIGNEE any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause said		
As the below named inventor, I hereby declare that: This declaration is directed to: United States application or PCT international application number is directed to: United States application or PCT international application number is directed to: United States application are made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. Thereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. WILEREAS, Vas International Service Association hereinafter referred to as "ASSIGNEE") having a place of business at: P.O. Box 8899, San Francisco, CA, 94120, United States of Annesia desires to acquire the entire right, fille and interest in said invention and the above-identified United States patent application; NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged. I hereby assign to the ASSIGNEE, the entire right, fille and interest in said invention and in the above- identified United States patent applications and in all divisions, continuations and continuations inpatent applications, and ruisuse, extensions and a receives in Clatters Patent granted thereon, and in all corresponding patent applications, and is durines foreign to the United States ("Greeign countries") and corresponding international patent applications in the United States patent applications in the United States patent applications in the United States patent application in the above-identified uniter the terms of the laternational Convention and any other relevant fractices; I horeby assign to the ASSIGNEE the right to file patent applications in foreign countries to issue any and all of asid	Title of Invention	TOKEN AND CRYPTOGRAM USING TRANSACTION SPECIFIC INFORMATION
This declaration	Docket Number	931US02
This declaration	As the below named i	denter I hereby declare that
is directed to:		
Image: States application or PCT international application number         105640,759       filed on 156-40.759         in PCFU032016018167 filed on 17.Feb-2016         The above-identified application was made or authorized to be made by me.         I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.         Thereby acknowledge that any willful files statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.         WHEREAS,       Visa International Service Association         bereinaffer referred to as "ASSIGNEE") having a place of business at:         P.O. Box 8896, San Francisco, CA, 94126, United States of America         desires to acquire the entire right, title and interest in said invention and the above-identified United States patent application;         NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged. I hereby assign to the ASSIGNEE, the entire right, title and interest in said invention and in the above-identified United States patent applications filed in countries of and a splications in the United States patent applications filed in countries foreign to the United States (Foreign countries) and contenuations-in-part of said applications filed in countries foreign to the Child States (Foreign countries).         I hereby assign to the ASSIGNEE the right to file patent applications in foreign countries on said invention and any other relevant treaties;         I hereby assign to the ASSIGNEE the right to file patent applications in foreign co		L 1 he attached application, or
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.         I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.         WHEREAS,       Visa International Service Association         hereinafter referred to as "ASSIGNEE") having a place of business at: P.O. Box 8999, San Francisco, CA, 94128. United States of America         desires to acquire the entire right, title and interest in said invention and the above-identified United States patent application;         NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I hereby assign to the ASSIGNEE, the entire right, title and interest in said invention and in the above-identified United States patent applications field in countries foreign to the United States ("foreign countries") and corresponding international patent applications field in countries foreign to the United States ("foreign countries") and corresponding international patent applications in its own name and the right to claim priority to the above-identified United States patent applications in the United States and foreign countries to issue any and all of said Letters Patent de ASSIGNEE as the assigne of my entire right, title and interest in and to the same, for the sole use and behoof of the ASSIGNEE as the assignes of my entire right, title and interest in and to the same and the full to fullim priority to the above-identified United States patent applications in the united states in foreign countries to issue any and all of said Letters Patent de ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of the ASSIGNEE any f		United States application or PCT international application number 15/540,759 filed on 29-Jun-2017 via PCT/US2016/018267 filed on 17-Feb-2016
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. WHEREAS, Via International Service Association hereinafter referred to as "ASSIGNEE") having a place of business at: P.O. Box 8999, San Francisco, CA, 94126, United States of America desires to acquire the entire right, title and interest in said invention and the above-identified United States patent application; NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I hereby assign to the ASSIGNEE the entire right, title and interest in said inventions and continuations-in-part of said applications, and reissues, extensions and renewals of Letters Patent granted thereon, and in all corresponding patent applications, and in all Letters Patents issuing on any such patent applications in the United States patent applications, and in all Letters Patents issuing on any such patent applications in the United States patent applications, and in all Letters Patents issuing on any such patent applications in the United States patent application, and in all Letters Patents issuing on any such patent applications in the United States patent application under the terms of the International Convention and any other relevant treated: I hereby authorize and request the United States Patent & Trademark Office and officials in patent offices in foreign countries to issue any and all of said Letters Patent may be granted; and Further, I agree that, without further consideration, I will communicate to the ASSIGNEE any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuations, continuation-in-part, substitute, renewal and enforce Letters Patent for said invention in the United States and foreign countries to a dist. BASIGNEE, make all infirtul caths, and, perform all lawful papers, execute all divisional, cont	The above-identified a	application was made or authorized to be made by me.
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P.O. Box 8999, San Francisco, CA, 94128, United States of America         desires to acquire the entire right, title and interest in said invention and the above-identified United States patent application;         NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I hereby assign to the ASSIGNEE, the entire right, title and interest in said invention and in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, filed in countries foreign to the United States ("foreign countries") and corresponding international patent applications, and in all Letters Patents issuing on any such patent applications in the United States patent applications, and in all Letters Patents issuing on any such patent applications in the United States patent application in its own name and the right to claim priority to the above-identified United States patent application and any other relevant treaties;         I hereby authorize and request the United States Patent & Trademark Office and officials in patent offices in foreign countries to issue any other relevant treaties;         I hereby authorize and request the United States Patent to the ASSIGNEE as the assigne of my entire right, title and interest in and to the same, for the sole use and behoof of the ASSIGNEE, its successors, assigns, and legal representatives, to the full end of the term for which said Letters Patent may be granted; and continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause said Letters Patent to be issued to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, its successors and assigns, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.	WHEREAS,	Visa International Service Association
application; NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I hereby assign to the ASSIGNEE, the entire right, title and interest in said invention and in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application filed in countries foreign to the United States ("foreign countries") and corresponding international patent applications, and in all Letters Patents issuing on any such patent applications in the United States and foreign countries; I hereby assign to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its own name and the right to claim priority to the above-identified United States patent application under the terms of the International Convention and any other relevant treaties; I hereby authorize and request the United States Patent & Trademark Office and officials in patent offices in foreign countries to issue any and all of said Letters Patent to the ASSIGNEE, its successors, assigns, and legal representatives, to the full end of the term for which said Letters Patent may be granted; and Further, I agree that, without further consideration, I will communicate to the ASSIGNEE any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation-in-part, substitute, renewal and reissue applications, execute all necessary assignment papers to cause esaid Letters Patent for said invention in the United States and foreign countries.  LEGAL NAME OF INVENTOR Inventor: Veeresh Kinegi LEGAL NAME OF INVENTOR		manage CA 04490 Hallard Clater of American
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LEGAL NAME OF INVENTOR Inventor: Veeresh Kinsgi Date: 08/07/2017	respecting said invent continuation-in-part, s Letters Patent to be is	ion, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, aubstitute, renewal and reissue applications, execute all necessary assignment papers to cause said sued to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE,
Inventor: Veeresh Kinegi Date: 08/07/2017		
Inventor: Veeresh Kinagi Date: $O \times O^{1/201/}$	LEGAL NAME OF	INVENTOR / _ / _
Signature: V. HVV		$\kappa_0 (F_0 / S_0)$
	Signature: <u>V, .</u>	~ Y~~Y

PATENT REEL: 044631 FRAME: 0129

RECORDED: 01/16/2018