505978560 03/20/2020

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT6025268

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNORS GLENN LEON POWELL & JOHN F. SHEETS ONLY ASSIGNS TO VISA INTERNATIONAL SERVICE ASSOCIATION previously recorded on Reel 040972 Frame 0276. Assignor(s) hereby confirms the ASSIGNORS GLENN LEON POWELL & JOHN F. SHEETS ONLY ASSIGNS TO VISA INTERNATIONAL SERVICE ASSOCIATION.

#### **CONVEYING PARTY DATA**

Name	Execution Date
GLENN LEON POWELL	12/18/2014
JOHN F. SHEETS	11/26/2014

#### RECEIVING PARTY DATA

Name:	VISA INTERNATIONAL SERVICE ASSOCIATION	
Street Address:	PO BOX 8999	
City:	SAN FRANCISCO	
State/Country:	CALIFORNIA	
Postal Code:	94128	

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14514290

#### CORRESPONDENCE DATA

Fax Number: (415)576-0300

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.

Phone: 4155760200

Email: nbesada@kilpatricktownsend.com

KILPATRICK TOWNSEND & STOCKTON/VISA Correspondent Name:

Address Line 1: TWO EMBARCADERO CENTER

Address Line 2: 19TH FLOOR

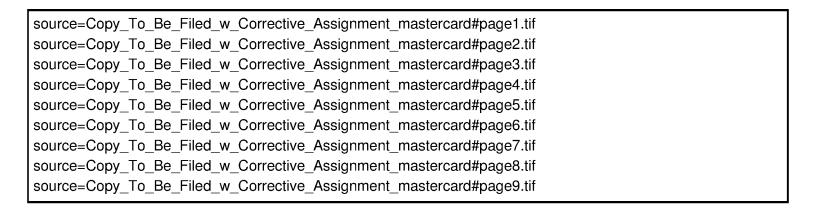
Address Line 4: SAN FRANCISCO, CALIFORNIA 94111

ATTORNEY DOCKET NUMBER: 079900-0919955-775US03 NAME OF SUBMITTER: NARISSA M. BESADA (NDORAN) SIGNATURE: /Narissa M. Besada/ **DATE SIGNED:** 03/20/2020

Total Attachments: 9

**PATENT** REEL: 052202 FRAME: 0893

505978560



#### 504131834 12/15/2016

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4188120

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the NAME OF ONE OF THE ASSIGNEES FROM MASTERCARD TO MASTERCARD INTERNATIONAL INCORPORATED previously recorded on Reel 034732 Frame 0012. Assignor(s) hereby confirms the CHANGING THE NAME OF ONE OF THE ASSIGNEES FROM MASTERCARD TO MASTERCARD INTERNATIONAL.

#### **CONVEYING PARTY DATA**

Name	Execution Date
GLEN LEON POWELL	12/18/2014
JOHN F. SHEETS	11/26/2014
BRUCE RUTHERFORD	08/10/2016
JAMES ANDERSON	08/11/2016
GREGORY WILLIAMSON	01/05/2014

#### **RECEIVING PARTY DATA**

Name:	VISA INTERNATIONAL SERVICE ASSOCIATION	
Street Address:	P.O. BOX 8999	
City:	SAN FRANCISCO	
State/Country:	CALIFORNIA	
Postal Code:	94128	
Name:	MASTERCARD INTERNATIONAL INCORPORATED	
Name: Street Address:	MASTERCARD INTERNATIONAL INCORPORATED 2000 PURCHASE STREET	
Street Address:	2000 PURCHASE STREET	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14514290

#### **CORRESPONDENCE DATA**

**Fax Number:** (404)815-6555

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.

**Phone:** 4048156500

**Email:** edurrell@kilpatricktownsend.com

Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP

PATENT 504131834 REEL: 050202 FRAME: 0296

Address Line 1: 1100 PEACHTREE STREET

Address Line 2: #2800

Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	079900-0919955 (775US03)
NAME OF SUBMITTER:	EMMA DURRELL
SIGNATURE:	/Emma Durrell/
DATE SIGNED:	12/15/2016

#### **Total Attachments: 9**

source=775US03\_Original Assignments as filed\_079900-0919955#page1.tif source=775US03\_Original Assignments as filed\_079900-0919955#page2.tif source=775US03\_Original Assignments as filed\_079900-0919955#page3.tif source=775US03\_Original Assignments as filed\_079900-0919955#page4.tif source=775US03\_Original Assignments as filed\_079900-0919955#page5.tif source=755US03\_Corrected\_Dec\_Asg\_Rutherford\_079900-0919955#page1.tif source=775US03\_Original\_Patent\_Cover\_Sheet\_079900-0919955#page1.tif source=775US03\_Original\_Patent\_Cover\_Sheet\_079900-0919955#page2.tif

Assignment Page 1 of 2

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

r	
Name	Execution Date
PAUL TAIT	01/13/2014

#### RECEIVING PARTY DATA

Name:	VISA INTERNATIONAL SERVICE ASSOCIATION
Street Address:	P. O. BOX 8999
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94128

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	61906858

#### **CORRESPONDENCE DATA**

**Fax Number:** (415)576-0300 **Phone:** (415) 576-0200

Email: pdiehl@kilpatricktownsend.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP

Address Line 1: TWO EMBARCADERO CENTER

Address Line 2: EIGHTH FLOOR

Address Line 4: SAN FRANCISCO, CALIFORNIA 94111

NAME OF SUBMITTER:	PATRICIA A. DIEHL
Signature:	/PATRICIA A. DIEHL/
Date:	01/16/2014

#### **Total Attachments: 1**

source = 79900 - 894070 - Assignment #page 1.tif

Title of Invention	Network Token System
Docket Number	775US03
	ventor, I hereby declare that:
This declaration	☐ The attached application, or
is directed to:	United States application or PCT international application number  14/514,290 filed on 14-Oct-2014
The above-identified ap	oplication was made or authorized to be made by me.
I believe that I am the c	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,	MASTERCARO MASTERCARO
WHEREAS, -MASTERCARD MasterCard International Incorporated hereinafter referred to as "ASSIGNER") having a place of business at: Bruce Rutherford Intials Date 10 Compared to the Purchase Street, Purchase, New York, 10577, United States of America	
desires to acquire the entire right, title and interest in said invention and the above-identified United States patent application;	
acknowledged, I herebidentified United States and reissues, extension in countries foreign to	FORE, for good and valuable consideration, the receipt and sufficiency of which are hereby assign to the ASSIGNEE, the entire right, title and interest in said invention and in the above-patent application and in all divisions, continuations and continuations-in-part of said application, as and renewals of Letters Patent granted thereon, and in all corresponding patent applications filed the United States ("foreign countries") and corresponding international patent applications, and in any such patent applications in the United States and foreign countries;
own name and the rigi	to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its to claim priority to the above-identified United States patent application under the terms of the on 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	
respecting said invention continuation-in-part, suit Letters Patent to be issu	that, without further consideration, I will communicate to the ASSIGNEE any facts known to me in, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, estitute, renewal and reissue applications, execute all necessary assignment papers to cause said ted to the ASSIGNEE, make all rightful oaths, and, perform all lawful acts to aid the ASSIGNEE, is, to obtain and enforce Letters Patent for said invention in the United States and foreign countries.
The second secon	TX DOWN TOWN TO
LEGAL NAME OF IT	.//
nventor: Bruce Ruther	ford Date: 15/2015
ignature: Bue Rustlenford	

Title of Invention	Network Token System	
Docket Number	775U903	
	ventor, I hereby declare that:	
This declaration is directed to:	The attached application, or	
is unoctod to:	United States application or PCT international application number  14/514,290 filed on 14-Oot-2014	
The above-identified ap	oplication was made or authorized to be made by me.	
I believe that I am the c	original inventor or an original joint inventor of a claimed invention in the application.	
or imprisonment of not	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine more than five (5) years, or both.	
WHEREAS,	MASTERCARD MasterCard International Incorporated	
	is "ASSIGNEE") having a place of business at: James Anderson Initials $\overline{\mathcal{DA}}$ urchase, New York, 10577, United States of America Date $SIIIIO$ .	
desires to acquire the application;	entire right, title and interest in said invention and the above-identified United States patent	
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, 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 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.		
	•	
LEGAL NAME OF INVENTOR		
Inventor: James Ander	son . Date: Jan 5th 2015	
Signature: James J'Anderson		

Title of Invention	Network Token System
I toto OI All Collection	
Docket Number	775US03
As the below named in	ventor, I hereby declare that:
This declaration	The attached application, or
is directed to:	United States application or PCT international application number  14/514,290 filed on 14-Oct-2014
The above-identified a	pplication 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.
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,	MASTERCARD
hereinafter referred to as "ASSIGNEE") having a place of business at: 2000 Purchase Street, Purchase, New York, 10577, 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, 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 assi own name and the ri	gn to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its ight to claim priority to the above-identified United States patent application under the terms of the tion 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 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.	
LEGAL NAME OF	
Inventor: Bruce Rut	herford Date: 1/5/2015
Signature: Bue Ruskenford	

Title of Invention	Network Token System
The state of the s	775US03
Docket Number	eventor, I hereby declare that:
This declaration	` ` ` `
is directed to:	The attached application, or
	United States application or PCT international application number  14/514,290 filed on 14-Oct-2014
The above-identified a	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.
I hereby acknowledge or imprisonment of no	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine it more than five (5) years, or both.
WHEREAS,	MASTERCARD
hereinafter referred to	as "ASSIGNEE") having a place of business at:
	Purchase, New York, 10577, United States of America
application;	e entire right, title and interest in said invention and the above-identified United States patent
acknowledged, I here identified United State and reissues, extension	REFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby assign to the ASSIGNEE, the entire right, title and interest in said invention and in the above-tes patent application and in all divisions, continuations and continuations-in-part of said application, one and renewals of Letters Patent granted thereon, and in all corresponding patent applications filed to the United States ("foreign countries") and corresponding international patent applications, and in using on any such patent applications in the United States and foreign countries;
I hereby ass	ign to the ASSIGNEE the right to file patent applications in foreign countries on said invention in its ight to claim priority to the above-identified United States patent application under the terms of the ation and any other relevant treaties;
I hereby au foreign countries to interest in and to	thorize and request the United States Patent & Trademark Office and officials in patent offices in issue any and all of said Letters Patent to the ASSIGNEE as the assignee of my entire right, title and the same, for the sole use and behoof of the ASSIGNEE, its successors, assigns, and legal to 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 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.	
LEGAL NAME O	FINVENTOR
Inventor: Gregory	Williamson Date: 1-5-/4
Signature: Signature:	

	Network Token System
Title of Invention	Network Token System
Docket Number	775US03
As the below named inventor, I hereby declare that:	
This declaration	The attached application, or
is directed to:	United States application or PCT international application number  14/514,290 filed on 14-Oct-2014
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.
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,	MASTERCARD
	as "ASSIGNEE") having a place of business at:
2000 Purchase Street,	Purchase, New York, 10577, 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, 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 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.	
LEGAL NAME OF	
Inventor: James An	derson Date: Jau 5th 2015
Signature: James J'Andewan	

Assignment Page 2 of 2

RECEIPT INFORMATION

**EPAS ID:** PAT2685337 **Receipt Date:** 01/16/2014

PATENT REEL: 0**5**22**0**2 FRAM<sub>1</sub>E;2**9**2**9**66