505180504 11/07/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5227272

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PAUL MICHAEL CARPENTER	01/28/2015
CHRISTOPHER IAN ABRATHAT	02/02/2015
JONATHAN RUSCA	05/30/2014
JEAN-CHRISTOPHE GILBERT LACOUR	05/01/2014
JONATHAN PAUL SUMPSTER	02/27/2018
MICHAEL RONALD PHILPOTTS	02/15/2018

RECEIVING PARTY DATA

Name:	VISA EUROPE LIMITED
Street Address:	1 SHELDON SQUARE
City:	LONDON
State/Country:	UNITED KINGDOM
Postal Code:	W2 6TT

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14884153

CORRESPONDENCE DATA

Fax Number:

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.

Email: mmoy@kilpatricktownsend.com

Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP Address Line 1: TWO EMBARCADERO CENTER, 19TH FLOOR

Address Line 4: SAN FRANCISCO, CALIFORNIA 94111

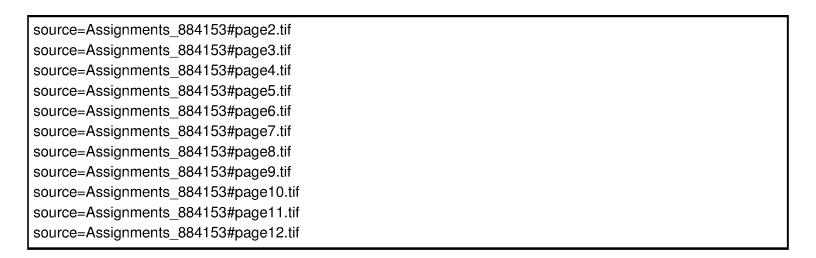
ATTORNEY DOCKET NUMBER:	103922-1079912 (VE116.US)
NAME OF SUBMITTER:	MARILYN MOY
SIGNATURE:	/Marilyn Moy/
DATE SIGNED:	11/07/2018

Total Attachments: 12

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PATENT REEL: 047441 FRAME: 0667

505180504



Joint

PATENT ASSIGNMENT

WHEREAS, We, Paul Michael CARPENTER, Jonathan Paul SUMPSTER, Andrew Paul THOMPSON, Christopher Ian ABRATHAT, Jonathan RUSCA, Jean-Christophe Gilbert LACOUR, and Michael Ronald PHILPOTTS, have invented a certain invention "Method and System for Creating a Unique Identifier" described in a PCT patent application filed on 15 April 2014 as application no. PCT/GB2014/051185 (hereinafter "Invention" and "Application" respectively);

WHEREAS, Visa Europe Limited, a corporation organized and existing under the laws of the United Kingdom and having a usual place of business at 1 Sheldon Square, London W2 6TT (hereinafter "Assignee") has acquired or is to acquire an interest therein by operation of law or agreement;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreement and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred, and/or by these presents do hereby sell, assign and transfer, unto said Assignee and its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said Invention as described in said Application, together with the entire right, title and interest in and to said Application and such Letters Patent as may issue thereon or therefrom, said Invention, Application and Letters Patent to be held and enjoyed by said Assignee for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this Assignment not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this Assignment, being of the entire right, title and interest in and to said Invention, carries with it the right in Assignee to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of Assignee's selection and the right to procure the grant of all such Letters Patent to Assignee for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid Invention to said Assignee, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said Invention or any application or patent directed thereto may be involved;

United States to issue such Letters Pa	nd request the Commissioner of Patents of the tent as shall be granted upon said Application or signee, its successors, assigns, and legal
insert here in parentheses (ttorneys EIP Europe LLP and EIP US LLP to of any US or non-US counterpart of the rother official processing of this Assignment.
병열 그는 이름 사는 문학을 만든 모든 모든 경험	e have hereunto set our hands and affixed our
Pai	ıl Michael CARPENTER⊿
Dat	e: 28 74. Junuary 2015
Jor	nathan Paul SUMPSTER
Sig	nature:
Dal	e:
[10] 4 - 하는 public Heat, 16] 2016 (1986)	drew Paul THOMPSON
Sig	nature:_
Da	(e. <u>100 - 100 -</u>
있는 그 없는 일을 하고 하는 것을 하고 가는 것으로 가요?	ristopher lan ABRATHAT
Sig	nature:

AND, we do hereby authorize and request the Commissioner of Patents of the Jnited States to issue such Letters Patent as shall be granted upon said Application or applications based thereon to said Assignee, its successors, assigns, and legal epresentatives;
AND we hereby authorize our attorneys EIP Europe LLP and EIP US LLP to nsert here in parentheses () he application number and filing date of any US or non-US counterpart of the application to facilitate the recording or other official processing of this Assignment.
IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our eals the date set forth below.
Paul Michael CARPENTER
Signature:
Date:
Jonathan Paul SUMPSTER
Signature:
Date:
Andrew Paul THOMPSON
Signature:
Date:
Christopher Ian ABRATHAT
Signature: 4. alum

Date: 2/2/15

Jonathan RUSCA
Signature:
Date:
Jean-Christophe Gilbert LACOUR
Signature:
Date: 1/5/2014
Michael Ronald PHILPOTTS
Signature:

Application No.: 14/884,153 Docket Number: E2025.USC1W+ Filing Date: October 15, 2015 Page 1 of 8

ASSIGNMENT

WHEREAS, Paul Michael CARPENTER, residing at London, United Kingdom, Jonathan Paul SUMPSTER, residing at London, United Kingdom, Andrew Paul THOMPSON, residing at London, United Kingdom, Christopher Ian ABRATHAT, residing at London, United Kingdom, Jonathan RUSCA, residing at London, United Kingdom, Jean-Christophe Gilbert LACOUR, residing at London, United Kingdom and Michael Ronald PHILPOTTS, residing at London, United Kingdom (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental design and/or discoveries related to METHOD AND SYSTEM FOR CREATING A UNIQUE IDENTIFIER (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States has been prepared for filing or has already been filed (as identified above) with the United States Patent and Trademark Office (hereinafter the "Application");

AND WHEREAS, **Visa Europe Limited**, a corporation, with its principal place of business at 1 Sheldon Square, London, W2 6TT United Kingdom (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all provisional applications relating thereto, and all nonprovisional applications claiming priority thereto, including, all divisions, continuations, continuations-in-part, reissues, and reexaminations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

Application No.: 14/884,153 Filing Date: October 15, 2015	Docket Number: E2025.USC1W- Page 2 of 8
Legal Name of inventor: Paul Michael CARPEN	TER
Inventor Signature:	Date:
Witnessed b	y:
Witness Name (printed	i):

Application No.: 14/884,153 Filing Date: October 15, 2015 Docket Number: E2025.USC1W+

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Legal Name of inventor: Jonathan Paul SUMPSTER

Inventor Signature:

Date: 27/2/18

Witnessed by:

Witness Name (printed):

SUMPSTER

Application No.: 14/884,153 Filing Date: October 15, 2015	Page 4 of 8
Legal Name of inventor: Andrew Paul THOMPSON	
Inventor Signature:	Date:
Witnessed by:	
Witness Name (printed):	

Application No.: 14/884 Filing Date: October 15,		Page 5 of 8
Legal Name of invento	r: Christopher Ian ABRATHAT	
Inventor Signature:		Date:
	Witnessed by:	
	Witness Name (printed):	

Application No.: 14/884,153 Filing Date: October 15, 2015		Docket Number: E20	Page 6 of 8
Legal Name of inventor: Jo	onathan RUSCA		
Inventor Signature:		Date:	
	Witnessed by:		
V	Vitness Name (printed):		

Application No.: 14/884,153 Filing Date: October 15, 2015	Docket Number: E2025.USC1W- Page 7 of 8
Legal Name of inventor: Jean-Christophe Gilber	rt LACOUR
Inventor Signature:	Date:
Witnessed by	7:
Witness Name (printed)	:

Docket Number: E2025.USC1W+

Application No.: 14/884,153 Filing Date: October 15, 2015	Docket Number: E2025.USC1W+ Page 8 of 8
Legal Name of inventor: Michael Ronald PHILPOTTS Inventor Signature: Witnessed by: Witness Name (printed):	Date: 15/2/2018

RECORDED: 11/07/2018