

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5016294

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
REYNALDO MEDINA III	11/10/2016
Carlos Chavez	11/11/2016
Nandhini Sridaran	11/14/2016
Russell Colwell	11/16/2016
Yuesheng Liu	11/11/2016
Storme Shelton Briscoe	06/14/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UIPCO, LLC
<b>Street Address:</b>	9800 FREDERICKSBURG ROAD
<b>City:</b>	SAN ANTONIO
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	78288
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15920136
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
<i>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.</i>	
<b>Phone:</b>	(512) 226-8137
<b>Email:</b>	apsi@fr.com
<b>Correspondent Name:</b>	SCOTT TOBIAS
<b>Address Line 1:</b>	FISH & RICHARDSON P.C.
<b>Address Line 2:</b>	P.O.BOX 1022
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440-1022
<b>ATTORNEY DOCKET NUMBER:</b>	US-1194.02138781-0341002
<b>NAME OF SUBMITTER:</b>	TANYA SPARROW
<b>SIGNATURE:</b>	/Tanya Sparrow/
<b>DATE SIGNED:</b>	06/20/2018

**Total Attachments: 20**

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s): ..... Reynaldo Medina, III, Carlos Chavez, Nandhini Sridaran, Russell Colwell,  
Yuesheng Liu and Storme Shelton Briscoe

Applicant: ..... UIPCO, LLC

UIPCO, LLC's Docket No.: ..... US-1194.01|38781-0341001

Title: AUTHENTICATION BASED ON HEARTBEAT DETECTION AND FACIAL  
RECOGNITION IN VIDEO DATA

**ASSIGNMENT**

**PARTIES TO THE ASSIGNMENT**

Assignor(s):

Reynaldo Medina, III  
11938 Autumn Vista  
San Antonio, TX 78249

Carlos Chavez  
6131 Wood Bayou  
San Antonio, TX 78249

Nandhini Sridaran  
7902 Ashfield Way  
Boerne, TX 78015

Russell Colwell  
5514 Justin Cove  
San Antonio, TX 78240

Yuesheng Liu  
15602 Ruidosa Run  
Helotes, TX 78023

Storme Shelton Briscoe  
8188 S. Via Elemental  
Tucson, AZ 85747

Assignee:

UIPCO, LLC  
9800 Fredericksburg Road  
San Antonio, Texas 78288

**ASSIGNMENT AGREEMENT**

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Vcr. 2.02  
Page 1 of 4

**PATENT**  
**REEL: 046148 FRAME: 0802**

WHEREAS, ASSIGNOR(S) (listed above) is/are inventor(s) of an invention(s) entitled as described and claimed in the specification forming part of an application(s) for United States letters patent referenced above;

WHEREAS, UIPCO, a Texas limited liability company (hereinafter referred to as ASSIGNEE), having a place of business at 9800 Fredericksburg Road, San Antonio, Texas 78288, is desirous of acquiring the entire right, title and interest in and to the invention(s) and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign, and transfer unto ASSIGNEE, the entire right, title, and interest in and to the invention(s) (including the invention(s) disclosed in the application referenced above), the application(s), and any and all letters patent which may be granted for the invention(s) in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, and continuations thereof, as well as any application(s) to which the application referenced above claims priority, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application(s) to which said foreign applications are entitled by virtue of international convention, treaty, or otherwise, said invention(s), application(s), and all letters patent on said invention(s) to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer, and sale not been made. ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree(s) to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention(s), for litigation regarding said letters patent, or for the purpose of protecting title to said invention(s) or letters patent therefore, all of the above hereinafter the "Assigned Patent Rights."

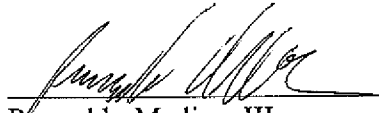
For the avoidance of doubt, ASSIGNOR(S) hereby irrevocably assign(s), transfer(s), convey(s), and deliver(s) to ASSIGNEE all rights to sue or to bring any action or to assert any claim, whether at law or in equity, against any person or entity relating to any of the Assigned Patent Rights, including without limitation for past, present, or future infringement, misappropriation, or other unauthorized use of any of the Assigned Patent Rights, to obtain injunctive relief, and to recover or collect royalties, damages, and profits, including without limitation for such past, present or future infringement, misappropriation, or unauthorized use of any of the Assigned Patent Rights. By specifically enumerating certain rights of enforcement in this paragraph, the ASSIGNOR(S) and ASSIGNEE do not intend for this paragraph to be interpreted to suggest any limitation upon the scope of rights transferred by virtue of this Assignment.

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ASSIGNOR(S) further hereby represent(s) and warrant(s) that ASSIGNOR(S) is/are an original contributor to the material included in the application; and ASSIGNOR(S) has/have reviewed and understand(s) the contents of this Assignment Agreement.

This Assignment is governed by and shall be construed in accordance with the laws of Texas.

FINALLY, this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, we hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

  
Reynaldo Medina, III

11-10-15

Date of Signature

Carlos Chavez

Date of Signature

Nandhini Sridaran

Date of Signature

Russell Colwell

Date of Signature

Yuesheng Liu

Date of Signature

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Page 3 of 4

**PATENT**  
**REEL: 046148 FRAME: 0804**

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Storme Shelton Briscoe

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Date of Signature

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Page 4 of 4

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**PATENT**  
**REEL: 046148 FRAME: 0805**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s): ..... Reynaldo Medina, III, Carlos Chavez, Nandhini Sridaran, Russell Colwell,  
Yuesheng Liu and Storme Shelton Briscoe  
Applicant: ..... UIPCO, LLC  
UIPCO, LLC's Docket No.: ..... US-1194.01|38781-0341001  
Title: AUTHENTICATION BASED ON HEARTBEAT DETECTION AND FACIAL  
RECOGNITION IN VIDEO DATA

**ASSIGNMENT**

**PARTIES TO THE ASSIGNMENT**

**Assignor(s):**

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11938 Autumn Vista  
San Antonio, TX 78249

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6131 Wood Bayou  
San Antonio, TX 78249

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Russell Colwell  
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Yuesheng Liu  
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Helotes, TX 78023

Storme Shelton Briscoe  
8188 S. Via Elemental  
Tucson, AZ 85747

**Assignee:**

UIPCO, LLC  
9800 Fredericksburg Road  
San Antonio, Texas 78288

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Ver. 2.02  
Page 1 of 4

**PATENT**  
**REEL: 046148 FRAME: 0806**

WHEREAS, ASSIGNOR(S) (listed above) is/are inventor(s) of an invention(s) entitled as described and claimed in the specification forming part of an application(s) for United States letters patent referenced above;

WHEREAS, UIPCO, a Texas limited liability company (hereinafter referred to as ASSIGNEE), having a place of business at 9800 Fredericksburg Road, San Antonio, Texas 78288, is desirous of acquiring the entire right, title and interest in and to the invention(s) and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign, and transfer unto ASSIGNEE, the entire right, title, and interest in and to the invention(s) (including the invention(s) disclosed in the application referenced above), the application(s), and any and all letters patent which may be granted for the invention(s) in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, and continuations thereof, as well as any application(s) to which the application referenced above claims priority, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application(s) to which said foreign applications are entitled by virtue of international convention, treaty, or otherwise, said invention(s), application(s), and all letters patent on said invention(s) to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer, and sale not been made. ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree(s) to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention(s), for litigation regarding said letters patent, or for the purpose of protecting title to said invention(s) or letters patent therefore, all of the above hereinafter the "Assigned Patent Rights."

For the avoidance of doubt, ASSIGNOR(S) hereby irrevocably assign(s), transfer(s), convey(s), and deliver(s) to ASSIGNEE all rights to sue or to bring any action or to assert any claim, whether at law or in equity, against any person or entity relating to any of the Assigned Patent Rights, including without limitation for past, present, or future infringement, misappropriation, or other unauthorized use of any of the Assigned Patent Rights, to obtain injunctive relief, and to recover or collect royalties, damages, and profits, including without limitation for such past, present or future infringement, misappropriation, or unauthorized use of any of the Assigned Patent Rights. By specifically enumerating certain rights of enforcement in this paragraph, the ASSIGNOR(S) and ASSIGNEE do not intend for this paragraph to be interpreted to suggest any limitation upon the scope of rights transferred by virtue of this Assignment.

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\_\_\_\_\_  
Reynaldo Medina, III

\_\_\_\_\_  
Date of Signature

  
\_\_\_\_\_  
Carlos Chavez


\_\_\_\_\_  
11/11/16  
Date of Signature

\_\_\_\_\_  
Nandhini Sridaran

\_\_\_\_\_  
Date of Signature

\_\_\_\_\_  
Russell Colwell

\_\_\_\_\_  
Date of Signature

  
\_\_\_\_\_  
Yuesheng Liu

\_\_\_\_\_  
11/11/2016  
Date of Signature

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Page 3 of 4

\_\_\_\_\_  
Storme Shelton Briscoe.

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Date of Signature

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Page 4 of 4

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**PATENT**  
**REEL: 046148 FRAME: 0809**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s): ..... Storme Shelton Briscoe, Carlos Chavez, Nandhini Sridaran, Russell Colwell,  
Yuesheng Liu and Storme Shelton Briscoe  
Applicant: ..... UIPCO, LLC  
UIPCO, LLC's Docket No.: ..... US-1194.01|38781-0341001  
Title: AUTHENTICATION BASED ON HEARTBEAT DETECTION AND FACIAL  
RECOGNITION IN VIDEO DATA

**ASSIGNMENT**

**PARTIES TO THE ASSIGNMENT**

**Assignor(s):**

Storme Shelton Briscoe  
11700 Wall Street  
San Antonio, TX 78230

Carlos Chavez  
6131 Wood Bayou  
San Antonio, TX 78249

Nandhini Sridaran  
7902 Ashfield Way  
Boerne, TX 78015

Russell Colwell  
5514 Justin Cove  
San Antonio, TX 78240

Yuesheng Liu  
15602 Ruidosa Run  
Helotes, TX 78023

Storme Shelton Briscoe  
11700 Wall Street  
San Antonio, TX 78230

**Assignee:**

UIPCO, LLC  
9800 Fredericksburg Road  
San Antonio, Texas 78288

**ASSIGNMENT AGREEMENT**

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Product. Not for Distribution

Ver. 2.02  
Page 1 of 4

**PATENT**

**REEL: 046148 FRAME: 0810**

WHEREAS, ASSIGNOR(S) (listed above) is/are inventor(s) of an invention(s) entitled as described and claimed in the specification forming part of an application(s) for United States letters patent referenced above;

WHEREAS, UIPCO, a Texas limited liability company (hereinafter referred to as ASSIGNEE), having a place of business at 9800 Fredericksburg Road, San Antonio, Texas 78288, is desirous of acquiring the entire right, title and interest in and to the invention(s) and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

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Page 2 of 4

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Storme Shelton Briscoe

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Date of Signature

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Carlos Chavez

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\_\_\_\_\_  
Storme Shelton Briscoe

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Date of Signature

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Page 4 of 4

\_\_\_\_\_  
**PATENT**  
**REEL: 046148 FRAME: 0813**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s): ..... Reynaldo Medina, III, Carlos Chavez, Nandhini Sridaran, Russell Colwell,  
Yuesheng Liu and Storme Shelton Briscoe

Applicant: ..... UIPCO, LLC

UIPCO, LLC's Docket No.: ..... US-1194.01/38781-0341001

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Page 1 of 4

**PATENT**  
**REEL: 046148 FRAME: 0814**

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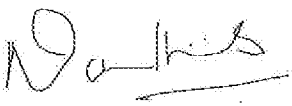
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\_\_\_\_\_  
Nandhini Sridaran

11-14-2016

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Page 3 of 4

**PATENT**  
**REEL: 046148 FRAME: 0816**

\_\_\_\_\_  
Storme Shelton Briscoe.

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Date of Signature

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\_\_\_\_\_  
**PATENT**  
**REEL: 046148 FRAME: 0817**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s): ..... Reynaldo Medina, III, Carlos Chavez, Nandhini Sridaran, Russell Colwell,  
Yuesheng Liu and Storme Shelton Briscoe  
Applicant: ..... UIPCO, LLC  
UIPCO, LLC's Docket No.: ..... US-1194.01|38781-0341001  
Title: AUTHENTICATION BASED ON HEARTBEAT DETECTION AND FACIAL  
RECOGNITION IN VIDEO DATA

**ASSIGNMENT**

**PARTIES TO THE ASSIGNMENT**

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Assignee:  
UIPCO, LLC  
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San Antonio, Texas 78288

**ASSIGNMENT AGREEMENT**

**CONFIDENTIAL. Attorney-Client Privileged Communication. All Legal Privileges Claimed Including Attorney Work Product. Not for Distribution**

WHEREAS, ASSIGNOR(S) (listed above) is/are inventor(s) of an invention(s) entitled as described and claimed in the specification forming part of an application(s) for United States letters patent referenced above;

WHEREAS, UIPCO, a Texas limited liability company (hereinafter referred to as ASSIGNEE), having a place of business at 9800 Fredericksburg Road, San Antonio, Texas 78288, is desirous of acquiring the entire right, title and interest in and to the invention(s) and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign, and transfer unto ASSIGNEE, the entire right, title, and interest in and to the invention(s) (including the invention(s) disclosed in the application referenced above), the application(s), and any and all letters patent which may be granted for the invention(s) in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, and continuations thereof, as well as any application(s) to which the application referenced above claims priority, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application(s) to which said foreign applications are entitled by virtue of international convention, treaty, or otherwise, said invention(s), application(s), and all letters patent on said invention(s) to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer, and sale not been made. ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree(s) to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention(s), for litigation regarding said letters patent, or for the purpose of protecting title to said invention(s) or letters patent therefore, all of the above hereinafter the "Assigned Patent Rights."

For the avoidance of doubt, ASSIGNOR(S) hereby irrevocably assign(s), transfer(s), convey(s), and deliver(s) to ASSIGNEE all rights to sue or to bring any action or to assert any claim, whether at law or in equity, against any person or entity relating to any of the Assigned Patent Rights, including without limitation for past, present, or future infringement, misappropriation, or other unauthorized use of any of the Assigned Patent Rights, to obtain injunctive relief, and to recover or collect royalties, damages, and profits, including without limitation for such past, present or future infringement, misappropriation, or unauthorized use of any of the Assigned Patent Rights. By specifically enumerating certain rights of enforcement in this paragraph, the ASSIGNOR(S) and ASSIGNEE do not intend for this paragraph to be interpreted to suggest any limitation upon the scope of rights transferred by virtue of this Assignment.

The ASSIGNOR(S) further agree(s) for myself and my or ourselves and our respective heirs, legal representatives, and assigns to provide to the ASSIGNEE promptly upon its request and at its expense all pertinent facts and documents relating to any of said inventions, applications, or patents and legal equivalents as may be known and accessible to us and to testify as to the same in any interference, litigation, or proceeding relating thereto.

ASSIGNOR(S) further hereby represent(s) and warrant(s) that ASSIGNOR(S) is/are an original contributor to the material included in the application; and ASSIGNOR(S) has/have reviewed and understand(s) the contents of this Assignment Agreement.

This Assignment is governed by and shall be construed in accordance with the laws of Texas.

FINALLY, this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, we hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

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Reynaldo Medina, III

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Date of Signature

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Carlos Chavez

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Date of Signature

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Nandhini Sridaran

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Date of Signature

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Russell Colwell

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Date of Signature

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Yuesheng Liu

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Date of Signature

Storme Shelton Briscoe

*Storme Briscoe*

6/14/17

Date of Signature

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