## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4035606

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

#### **CONVEYING PARTY DATA**

| Name            | Execution Date |
|-----------------|----------------|
| HEATH STALLINGS | 06/30/2008     |
| SOK Y. HWANG    | 06/26/2008     |
| SHADMAN ZAFAR   | 06/27/2008     |

#### **RECEIVING PARTY DATA**

| Name:             | VERIZON DATA SERVICES LLC |  |
|-------------------|---------------------------|--|
| Street Address:   | ONE EAST TELECOM PARKWAY  |  |
| Internal Address: | MAIL CODE B3E             |  |
| City:             | TEMPLE TERRACE            |  |
| State/Country:    | FLORIDA                   |  |
| Postal Code:      | 33637                     |  |

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

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 15254953 |

#### **CORRESPONDENCE DATA**

**Fax Number:** (801)812-8129

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:** 8012855175 **Email:** alg@alg-ip.com

Correspondent Name: ALG INTELLECTUAL PROPERTY, LLC

Address Line 1: 922 W. BAXTER DR.

Address Line 2: SUITE 100

Address Line 4: SOUTH JORDAN, UTAH 84095

| ATTORNEY DOCKET NUMBER:         | 20080024C2         |  |
|---------------------------------|--------------------|--|
| NAME OF SUBMITTER:              | JEFFREY R. JEPPSEN |  |
| SIGNATURE: /Jeffrey R. Jeppsen/ |                    |  |
| DATE SIGNED:                    | 09/01/2016         |  |

## **Total Attachments: 3**

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PATENT REEL: 039618 FRAME: 0635

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#### ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned:

I. have sold, assigned and transferred, and by the presents do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, the entire right, title and interest in and to any and all improvements which are described in the application for United States Letters Patent entitled

# CAMERA DATA MANAGEMENT AND USER INTERFACE APPARATUSES, SYSTEMS, AND METHODS

| Which has been executed by the u  I/we hereby authorize and request the Assignee, its insert here in the parentheses (Application Number _ date and application number of said application when l   | , filed) the filing  |
|---|--|
| which was filed on an   | d assigned Application No.   |
| and in and to said application, and all divisional, con-<br>all other application for Letters Patent which have bee<br>countries on any of said improvements or based on sa<br>patents which have been or shall be issued in the U<br>applications, and in and to all rights of priority resulti<br>and to all rights which may exist under the Interna-<br>Property to any of the foregoing;   | n or shall be filed in the United States and all foreign id application; and in and to all original and reissued nited States and foreign countries from any of saiding from the filing of any of said applications; and in  |
| II. agree that said Assignee may apply for and receive Letters when requested, without charge to, but at the expense representatives, to carry out in good faith the intent a execute all divisional, continuing, substitute, renewal, all said improvements; execute all rightful oaths, a communicate to said Assignee, its successors, assigns relating to said improvements and the history thereo Assignee, its successors, assigns or representatives maintaining proper patent protection for said improve all applications for patents and all patents on said i assigns; and | e of, said Assignee, its successors, assigns and legal and purpose of this Assignment, the undersigned will reissue, and all other patent application on any and assignments, powers of attorney and other papers; and representatives, all facts known to undersigned f; and generally do everything possible which said shall consider desirable for aiding in securing and ments and for vesting title to said improvements and |
| III. covenant with said Assignee, its successors, assigns an<br>mortgage, license, or other agreement affecting the rig<br>others by the undersigned, and that full right to conve<br>undersigned.  | thts and property herein identified has been made to   |
| IN WITNESS to my/our agreement to the foregoing, I/we have  | executed this Assignment as set forth below:   |
| Verizon entity (Assignce): Verizon Data Services LLC, having Mail Code B3E, Temple Terrace, FL 33637.   | a place of business at One East Telecom Parkway,   |
| ASSIGNORS: Signature: Heath Stalling: Sok Y. Hwang Signature: Shadman Zafar   | Date: <u>6 · 30 ~ 2008</u> Date:   |
| Ottomation makes  |  |

PATENT REEL: 039618 FRAME: 0636

### ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned:

I. have sold, assigned and transferred, and by the presents do hereby sell, assign, and transfer, to the Verizon legal entity identified below ("Assignee") and its successors and assigns, the entire right, title and interest in and to any and all improvements which are described in the application for United States Letters Patent entitled

# CAMERA DATA MANAGEMENT AND USER INTERFACE APPARATUSES, SYSTEMS, AND METHODS

| Which has been executed by the undersigned concurrently herewith, and in which case   |
|---|
| I/we hereby authorize and request the Assignee, its successors, assigns and/or legal representatives, to  |
| insert here in the parentheses (Application Number filed) the filing  |
| date and application number of said application when known.   |
| which was filed on and assigned Application No.   |
| and in and to said application, and all divisional, continuing, substitute, renewal, reissue, provisional, and all other application for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements or based on said application; and in and to all original and reissued patents which have been or shall be issued in the United States and foreign countries from any of said applications, and in and to all rights of priority resulting from the filing of any of said applications; and in and to all rights which may exist under the International Convention for the Protection of Industrial Property to any of the foregoing;  |
| II. agree that said Assignee may apply for and receive Letters Patent for improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent application on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors and assigns; and |
| III. covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein identified has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.  |
| IN WITNESS to my/our agreement to the foregoing, I/we have executed this Assignment as set forth below:   |
| Verizon entity (Assignee): Verizon Data Services LLC, having a place of business at One East Telecom Parkway. Mail Code B3E, Temple Terrace, FL 33637.  |
| ASSIGNORS: /  |
| Signature: Date:  |
| Signature: Date: 6/21/20  |
| Signature: Date:  |

PATENT REEL: 039618 FRAME: 0637 ···

#### ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned:

I. have sold, assigned and transferred, and by the presents do hereby sell, assign, and transfer, to the Vertzon legal entity identified below ("Assignee") and its successors and assigns, the entire right, title and interest in and to any and all improvements which are described in the application for United States Letters Patent entitled.

# CAMERA DATA MANAGEMENT AND USER INTERFACE APPARATUSES, SYSTEMS, AND METHODS

|   | ⊠which has been executed by t  | he undersigned concurrently herewith, and in which case   |  |  |  |
|---|--|---|--|--|--|
|   | I/we hereby authorize and request the Assignee, its successors, assigns and/or logal representatives, to   |   |  |  |  |
|   | insert here in the parentheses (Application Number, filed) the filing  |   |  |  |  |
|   | date and application number of said application wh   | en known.   |  |  |  |
|   | which was filed on   | and assigned Application No.  |  |  |  |
|   | and in and to said application, and all divisional, continuing, substitute, renewal, reissue, provisional, and all other application for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements or based on said application; and in and to all original and reissued patents which have been or shall be assued in the United States and foreign countries from any of said applications, and in and to all rights of priority resulting from the filing of any of said applications; and in and to all rights which may exist under the International Convention for the Protection of Industrial Property to any of the foregoing: |   |  |  |  |
| II. agree that said Assignee may apply for and receive Letters Patent for improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent application on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors and assigns; and |  |   |  |  |  |
| III. cov  | mortgage, license, or other agreement affecting the  | and legal representatives that no assignment, grant, a rights and property herein identified has been made to provey the same as herein expressed is possessed by the |  |  |  |
| IN WITNESS to my/our agreement to the foregoing. I/we have executed this Assignment as set forth below-   |  |   |  |  |  |
|   | entity (Assignee): Verizon Data Services LLC, hade B3E, Temple Terrace, FL 33637.  | ving a place of business at One East Telecom Parkway,   |  |  |  |
| ASSIGN  | NORS:  |   |  |  |  |
| Signatur  | re:Heath Stallings   | Date:   |  |  |  |
| Signatur  | re:  | _ Date:   |  |  |  |
| <b>.</b>  | Sak Y. Hwang   |   |  |  |  |
| Signatur  | re: Madman Zafar   | Date:/\div \ \O_0   |  |  |  |
|   | SHAUMAN ZATAI  | 1   |  |  |  |

RECORDED: 09/01/2016

PATENT REEL: 039618 FRAME: 0638