## 504910283 05/11/2018

## PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE:   |   | NEW ASSIGNMENT   |                |  |  |  |
|--|---|--|----------------|--|--|--|
| NATURE OF CONVEYANCE:  |   | ASSIGNMENT   |                |  |  |  |
| CONVEYING PARTY D  | ΑΤΑ   |  |                |  |  |  |
|  |   | Name   | Execution Date |  |  |  |
| OLEKSII SURDU  |   |  | 05/11/2018     |  |  |  |
| RECEIVING PARTY DA   | TA  |  |                |  |  |  |
| Name:  | GBS LAE   | GBS LABORATORIES, LLC  |                |  |  |  |
| Street Address:  | 13755 VA  | LLEY DRIVE   |                |  |  |  |
| Internal Address:  | SUITE 23  | 0  |                |  |  |  |
| City:  | HERNDO  | N  |                |  |  |  |
| State/Country:   | VIRGINIA  |  |                |  |  |  |
| Postal Code:   | 20171   |  |                |  |  |  |
|  |   |  |                |  |  |  |
|  |   |  |                |  |  |  |
| Application Number:  | 1   | 146157   |                |  |  |  |
| Application Number:<br>CORRESPONDENCE D  |   | 146157   |                |  |  |  |
| CORRESPONDENCE D<br>Fax Number:  | ATA<br>(8)  | 38)703-4446  |                |  |  |  |
| CORRESPONDENCE D<br>Fax Number:<br><i>Correspondence will b</i>  | )ATA<br>(8<br>e sent to t   | 38)703-4446<br><b>ne e-mail address first; if that is unsucc</b>   |                |  |  |  |
| CORRESPONDENCE D<br>Fax Number:<br><i>Correspondence will b</i><br><i>using a fax number, if</i>   | DATA<br>(8<br>e sent to t<br>provided;  | 38)703-4446  |                |  |  |  |
| CORRESPONDENCE D<br>Fax Number:<br><i>Correspondence will b</i><br><i>using a fax number, if</i>   | DATA<br>(8<br>e sent to t<br>provided;<br>57                                      | 38)703-4446<br><b>ne e-mail address first; if that is unsucc</b><br>f that is unsuccessful, it will be sent via  |                |  |  |  |
| CORRESPONDENCE D<br>Fax Number:<br><i>Correspondence will be<br/>using a fax number, if p</i><br>Phone:<br>Email:<br>Correspondent Name:   | DATA<br>(8<br>e sent to t<br>provided;<br>57<br>js<br>C                           | 38)703-4446<br><b>ne e-mail address first; if that is unsucc</b><br><b>f that is unsuccessful, it will be sent via</b><br>1-215-2215<br>ngh@capcitytechlaw.com<br>APITOL CITY TECHLAW, PLLC  |                |  |  |  |
| CORRESPONDENCE D<br>Fax Number:<br><i>Correspondence will b</i><br><i>using a fax number, if p</i><br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:   | DATA<br>(8<br>e sent to t<br>provided;<br>57<br>js<br>C<br>34                     | 38)703-4446<br><b>ne e-mail address first; if that is unsucc</b><br><b>f that is unsuccessful, it will be sent via</b><br>1-215-2215<br>ngh@capcitytechlaw.com<br>APITOL CITY TECHLAW, PLLC<br>4 MAPLE AVENUE WEST, #333   |                |  |  |  |
| CORRESPONDENCE D<br>Fax Number:<br><i>Correspondence will be<br/>using a fax number, if p</i><br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 2:   | DATA<br>(8<br>e sent to t<br>provided;<br>57<br>js<br>C<br>34<br>A                | 38)703-4446<br><b>ne e-mail address first; if that is unsucc</b><br><b>f that is unsuccessful, it will be sent via</b><br>1-215-2215<br>ngh@capcitytechlaw.com<br>APITOL CITY TECHLAW, PLLC<br>4 MAPLE AVENUE WEST, #333<br>TN: JASBIR SINGH   |                |  |  |  |
| CORRESPONDENCE D<br>Fax Number:<br><i>Correspondence will be<br/>using a fax number, if p</i><br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 2:   | DATA<br>(8<br>e sent to t<br>provided;<br>57<br>js<br>C<br>34<br>A                | 38)703-4446<br><b>ne e-mail address first; if that is unsucc</b><br><b>f that is unsuccessful, it will be sent via</b><br>1-215-2215<br>ngh@capcitytechlaw.com<br>APITOL CITY TECHLAW, PLLC<br>4 MAPLE AVENUE WEST, #333   |                |  |  |  |
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| CORRESPONDENCE D<br>Fax Number:<br>Correspondence will be<br>using a fax number, if p<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 2:<br>Address Line 2:<br>Address Line 4:<br>ATTORNEY DOCKET NU                                     | DATA<br>(8<br>e sent to t<br>provided;<br>57<br>js<br>C<br>34<br>A<br>V           | 38)703-4446<br><b>The e-mail address first; if that is unsucc</b><br><b>f that is unsuccessful, it will be sent via</b><br>1-215-2215<br>mgh@capcitytechlaw.com<br>APITOL CITY TECHLAW, PLLC<br>4 MAPLE AVENUE WEST, #333<br>TN: JASBIR SINGH<br>ENNA, VIRGINIA 22180<br>712-0016  |                |  |  |  |
| CORRESPONDENCE D<br>Fax Number:<br><i>Correspondence will be<br/>using a fax number, if p</i><br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 2:   | DATA<br>(8<br>e sent to t<br>provided;<br>57<br>js<br>C<br>34<br>A<br>V           | 38)703-4446<br><b>De e-mail address first; if that is unsucc</b><br><b>f that is unsuccessful, it will be sent via</b><br>1-215-2215<br>ngh@capcitytechlaw.com<br>APITOL CITY TECHLAW, PLLC<br>4 MAPLE AVENUE WEST, #333<br>TN: JASBIR SINGH<br>ENNA, VIRGINIA 22180<br>712-0016<br>JASBIR SINGH                                 |                |  |  |  |
| CORRESPONDENCE D<br>Fax Number:<br>Correspondence will be<br>using a fax number, if p<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 2:<br>Address Line 2:<br>Address Line 4:<br>ATTORNEY DOCKET NU<br>NAME OF SUBMITTER:<br>SIGNATURE: | DATA<br>(8<br>e sent to t<br>provided;<br>57<br>js<br>C<br>34<br>A<br>V<br>JMBER: | 38)703-4446<br><b>De e-mail address first; if that is unsucc</b><br><b>f that is unsuccessful, it will be sent via</b><br>1-215-2215<br>ngh@capcitytechlaw.com<br>APITOL CITY TECHLAW, PLLC<br>4 MAPLE AVENUE WEST, #333<br>TN: JASBIR SINGH<br>ENNA, VIRGINIA 22180<br>712-0016<br>JASBIR SINGH<br>/Jasbir Singh/<br>05/11/2018 |                |  |  |  |

## PATENT ASSIGNMENT

| Assignor(s):  | Oleksii SURDU   |                    |              |             |       |  |  |
|---------------|---|--------------------|--------------|-------------|-------|--|--|
| Assignee:     | GBS Laboratories, L<br>13755 Sunrise Valle<br>Herndon, VA 20171                                       | y Drive, Suite 230 |              |             |       |  |  |
| Patent Applic | ation(s):   |                    |              |             | ••••• |  |  |
| Title:        | Reliable and Secure Firmware Update with a Dynamic Validation for Internet of Things (IoT)<br>Devices |                    |              |             |       |  |  |
|               | executed by the undersigned concurrently herewith   |                    |              |             |       |  |  |
| $\boxtimes$   | Application No(s):  | 15/146,157         | Filing Date: | May 4, 2016 |       |  |  |

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I/we, the above-named Assignors, hereby:

sell, assign and transfer to the above-named Assignee (and its successors, assigns and legal representatives) the entire right, title and interest (for the United States and all foreign countries) in and to: (1) the above-identified patent application(s) ("the Application(s)"), including any and all improvements that are disclosed in the Application(s); and (2) all divisional, continuing, substitute, renewal, reissue and all other patent applications, which have been or are subsequently filed in the United States and any and all foreign countries, based on or claiming priority to the Application(s), or based on any of said improvements; and (3) all original and reissued patents that have been or are subsequently issued in the United States and any and all foreign countries from the Application(s) or based on any of said improvements; and (4) any and all rights of priority arising from the filing of the Application(s) in the United States and any and all foreign countries; and

agree that the Assignee may apply for and receive a patent or patents from the Application(s) and for said improvements in its own name; and that, to carry out in good faith the intent and purpose of this Assignment, I/we (without charge to, but at the expense of the Assignee) shall: execute the Application(s), and all divisional, continuing, substitute, renewal, reissue and other patent applications based on or claiming priority to the Application(s), or based on any and all of said improvements, and execute all associated assignments and powers of attorney; convey to the Assignee (and its successors, assigns and legal representatives) all known facts relating to the Application(s) said improvements and the history thereof; and generally assist the Assignee (and its successors, assigns and legal representatives) in securing and maintaining proper patent protection for the Application(s) and said improvements, and for vesting title in and to the Application(s), and all applications for patents and all patents on said improvements, in the Assignee (and its successors, assigns and all patents on said improvements, in the Assignee (and its successors, assigns and all patents on said improvements, in the Assignee (and its successors, assigns and all patents on said improvements, in the Assignee (and its successors, assigns and legal representatives); and

covenant with the Assignee (and its successors, assigns and legal representatives) that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the Assignor(s), and that full right to convey the same as herein expressed is possessed by the Assignor(s).

Date:

05/11/2018

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Page 1 of 1