

## PATENT ASSIGNMENT COVER SHEET

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                   |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                       |
| <b>CONVEYING PARTY DATA</b>   |                                  |
| <b>Name</b>   | <b>Execution Date</b>            |
| HESHAM EL GAMAL   | 03/15/2018                       |
| JOHN TADROUS  | 04/03/2018                       |
| <b>RECEIVING PARTY DATA</b>   |                                  |
| <b>Name:</b>  | OHIO STATE INNOVATION FOUNDATION |
| <b>Street Address:</b>  | 1524 NORTH HIGH STREET           |
| <b>City:</b>  | COLUMBUS                         |
| <b>State/Country:</b>   | OHIO                             |
| <b>Postal Code:</b>   | 43201                            |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                  |
| <b>Property Type</b>  | <b>Number</b>                    |
| <b>Application Number:</b>  | 16240293                         |
| <b>CORRESPONDENCE DATA</b>  |                                  |
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| <b>Email:</b>   | chicago.patents@klgates.com      |
| <b>Correspondent Name:</b>  | K&L GATES LLP                    |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | 3724763.00008 (1)                |
| <b>NAME OF SUBMITTER:</b>   | MATTHEW S. DICKE                 |
| <b>SIGNATURE:</b>   | /Matthew S. Dicke/               |
| <b>DATE SIGNED:</b>   | 02/28/2020                       |
| <b>Total Attachments: 4</b>   |                                  |
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| source=1#page4.tif  |                                  |
| source=1#page5.tif  |                                  |

**ASSIGNMENT OF PATENT RIGHTS**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned, Hesham El Gamal (hereinafter "Assignor") hereby sell, assign and transfer to Ohio State Innovation Foundation, a non-profit corporation, with offices located at 1524 North High Street, Columbus, Ohio 43201 (hereinafter "Assignee"), its successors, assigns and legal representatives, the entire right, title and interest, in and to any and all inventions which are disclosed in:

U.S. Patent Application Serial No. 14/421,655; filed February 13, 2015;  
 Titled: System and method for efficient use of network bandwidth based on user profiles and other data

SUCH ASSIGNMENT shall be in and to each said application and extensions thereof including all rights of priority arising therefrom and in and to all non-provisional, divisional, continuing applications, substitute, renewal, reissue applications, all provisional applications directed to the same invention which have been or will be filed and all other applications for Letters Patent which have been or shall be filed in the United States and all countries of the world and all international applications on any of said inventions, and in and to all original and reissued patents which have been or shall be issued in the United States and all countries of the world on said invention. We hereby authorize and request the Commissioner of Patents or other proper Officer to issue such Letters Patent to the above Assignee, its successors and/or assigns.

ASSIGNOR also agrees that said Assignee may apply for, receive and maintain Letters Patent for said inventions in its own name; and that, when requested, without charge to, but at the expense of said Assignee, its successors, assigns and legal representatives, Assignor will carry out in good faith the intent and purpose of this assignment and that the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all said inventions for the U.S., all other countries of the world and under all treaties; and will execute all rightful oaths, supplemental oaths, preliminary statements, assignments, powers of attorney, assurance of title, declarations and other papers for the U.S., all other countries and under all treaties, and will communicate to said Assignee, its successors, assigns and representatives, all facts known to the undersigned relating to said inventions 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 inventions, and for complying with applicable law and for vesting title to said inventions and all applications for patents and all patents on said inventions in said Assignee, its successors, assigns and legal representatives for the U.S., all other countries and under all related treaties.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country as proof of the right of said Assignee to apply for, defend or enforce a patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority,

ASSIGNOR FURTHER covenants with said Assignee, 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 undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 3/15/2018 By:  DocuSigned by: Hesham El Gamal  
D6672056688846A...

WITNESSED BY:

\_\_\_\_\_

Printed Name \_\_\_\_\_

Date: \_\_\_\_\_

WITNESSED BY:

\_\_\_\_\_

Printed Name \_\_\_\_\_

Date: \_\_\_\_\_

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Date: 04/03/2018 By:  J. Tadlow


WITNESSED BY:



Printed Name Shanna Abbott

Date: 04/03/2018

WITNESSED BY:



Printed Name Holly Olmstead

Date: 04/03/2018