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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT  |
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| <b>CONVEYING PARTY DATA</b>   |   |
| <b>Name</b>   | <b>Execution Date</b>   |
| ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE   | 09/27/2017  |
| <b>RECEIVING PARTY DATA</b>   |   |
| <b>Name:</b>  | INDUSTRY-UNIVERSITY COOPERATION FOUNDATION HANYANG UNIVERSITY |
| <b>Street Address:</b>  | 222, WANGSIMNI-RO, SEONGDONG-GU                               |
| <b>City:</b>  | SEOUL   |
| <b>State/Country:</b>   | KOREA, REPUBLIC OF  |
| <b>Postal Code:</b>   | 04763   |
| <b>PROPERTY NUMBERS Total: 1</b>  |   |
| <b>Property Type</b>  | <b>Number</b>   |
| Patent Number:  | 7613344   |
| <b>CORRESPONDENCE DATA</b>  |   |
| <b>Fax Number:</b>  | (312)427-6663   |
| <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>   | 3124271300  |
| <b>Email:</b>   | debbie.szumowski@ladas.net                                    |
| <b>Correspondent Name:</b>  | RICHARD J. STREIT   |
| <b>Address Line 1:</b>  | LADAS & PARRY, 224 SOUTH MICHIGAN AVE.                        |
| <b>Address Line 4:</b>  | CHICAGO, ILLINOIS 60604                                       |
| <b>ATTORNEY DOCKET NUMBER:</b>  | CU-4836 RJS/DS  |
| <b>NAME OF SUBMITTER:</b>   | RICHARD J. STREIT   |
| <b>SIGNATURE:</b>   | /RICHARD J. STREIT/   |
| <b>DATE SIGNED:</b>   | 10/05/2017  |
| <b>Total Attachments: 2</b>   |   |
| source=2017-10-05_cu4836_assignment#page1.tif   |   |
| source=2017-10-05_cu4836_assignment#page2.tif   |   |

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**UNITED STATES OF AMERICA**  
**ASSIGNMENT**

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In consideration of the payment of ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNOR:**

**ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE**  
Daejeon, Republic of Korea

hereby sells, assigns and transfers to

**ASSIGNEE:**

**INDUSTRY-UNIVERSITY COOPERATION FOUNDATION**  
**HANYANG UNIVERSITY**  
222, Wangsimni-ro, Seongdong-gu  
Seoul, 04763 Republic of Korea

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions, including all rights to claim priority, in and to, any and all improvements which are disclosed in the Application entitled SYSTEM AND METHOD FOR ENCODING AND DECODING AN IMAGE USING BITSTREAM MAP AND RECORDING MEDIUM THEREOF and which is found in

**U.S. Patent No. 7,613,344 issued November 3, 2009**  
**(U.S. Serial No. 10/581,874 filed June 5, 2006)**

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits

required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, we have set our hand and seal

**ELECTRONICS AND TELECOMMUNICATIONS  
RESEARCH INSTITUTE**

Yang-Sik Kwon  
Name:  
Title: Director

27 Sep 2017  
Date

*L&P 09/2012 (Assignment -- entire interest -- US rights)*