

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3772368

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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>                                 |
| GI HEON KIM   | 03/12/2014  |
| HOJUN RYU   | 03/12/2014  |
| WON JAE LEE   | 03/12/2014  |
| YONG HAE KIM  | 03/12/2014  |
| CHUL AM KIM   | 03/12/2014  |
| <b>RECEIVING PARTY DATA</b>   |   |
| <b>Name:</b>  | ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE |
| <b>Street Address:</b>  | 161, GAJEONG-DONG, YUSEONG-GU                         |
| <b>City:</b>  | DAEJEON   |
| <b>State/Country:</b>   | KOREA, REPUBLIC OF                                    |
| <b>Postal Code:</b>   | 305-700   |
| <b>PROPERTY NUMBERS Total: 1</b>  |   |
| <b>Property Type</b>  | <b>Number</b>   |
| <b>Application Number:</b>  | 15063549  |
| <b>CORRESPONDENCE DATA</b>  |   |
| <b>Fax Number:</b>  | (202)408-0924   |
| <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>   | 202-371-8976  |
| <b>Email:</b>   | firm@rabinberdo.com                                   |
| <b>Correspondent Name:</b>  | RABIN & BERDO, P.C.                                   |
| <b>Address Line 1:</b>  | 1101 14TH ST., N.W., SUITE 500                        |
| <b>Address Line 4:</b>  | WASHINGTON, D.C. 20005                                |
| <b>ATTORNEY DOCKET NUMBER:</b>  | KOR-496D1   |
| <b>NAME OF SUBMITTER:</b>   | JUN-HWA JEONG   |
| <b>SIGNATURE:</b>   | /Jun-Hwa Jeong/                                       |
| <b>DATE SIGNED:</b>   | 03/08/2016  |
| This document serves as an Oath/Declaration (37 CFR 1.63).  |   |
| <b>Total Attachments: 2</b>   |   |

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**PATENT**

**REEL: 037916 FRAME: 0814**

**ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT**

WHEREAS KIM, Gi Heon, RYU, Hojun, LEE, Won Jae, KIM, Yong Hae, KIM, Chul Am of Republic of Korea hereinafter referred to collectively as the assignor and inventor, has invented a certain improvement relating to

**DISPLAY DEVICE AND METHOD OF MANUFACTURING THE SAME**

☒ said application being attached hereto;

☐ said application having been filed in the United States Patent and Trademark Office on

\_\_\_\_\_, as Application Serial No. \_\_\_\_\_, and was amended on \_\_\_\_\_ (if applicable);

☐ the specification of which was filed under the Patent Cooperation Treaty on \_\_\_\_\_, Serial No. \_\_\_\_\_, the United States of America being designated.

AND WHEREAS Electronics and Telecommunications Research Institute of 161, Gajeong-dong, Yuseong-gu, Daejeon 305-700, Republic of Korea, hereinafter referred to as the assignee or applicant, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

As an above-named inventor, I hereby declare that the above-identified application was made or authorized to be made by me, and that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

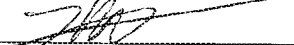
Address all correspondence and telephone calls to Rabin & Berdo, P.C., 1101 14<sup>th</sup> Street, N.W., Suite 500, Washington, D.C. 20005, Telephone: (202) 371-8976; Fax: (202) 408-0924, Customer No. 23995.

Continued -Page 2  
ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WITNESS:

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

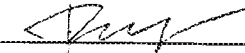
ASSIGNOR (THE FIRST INVENTOR):

Signature:   
Legal Name: KIM, Gi Heon  
Date: March 12, 2014

WITNESS:

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

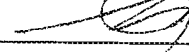
ASSIGNOR (THE SECOND INVENTOR):

Signature:   
Legal Name: RYU, Hojun  
Date: March 12, 2014

WITNESS:

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

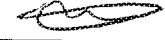
ASSIGNOR (THE THIRD INVENTOR):

Signature:   
Legal Name: LEE, Won Jae  
Date: March 12, 2014

WITNESS:

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

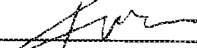
ASSIGNOR (THE FOURTH INVENTOR):

Signature:   
Legal Name: KIM, Yong Hae  
Date: March 12, 2014

WITNESS:

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

ASSIGNOR (THE FIFTH INVENTOR):

Signature:   
Legal Name: KIM, Chul Am  
Date: Mar 12, 2014