503204171 03/04/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3250786

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| DONG OH KANG | 03/03/2015 |
| KYU CHANG KANG | 03/03/2015 |
| JOON YOUNG JUNG | 03/03/2015 |
| JANG HO CHOI | 03/03/2015 |
| JIN YOUNG MOON | 03/03/2015 |
| CHANG SEOK BAE | 03/03/2015 |

RECEIVING PARTY DATA

| Name: | ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE | | |
|-----------------|-------------------------------------------------------|--|--|
| Street Address: | 218, GAJEONG-RO, YUSEONG-GU | | |
| City: | DAEJEON | | |
| State/Country: | KOREA, REPUBLIC OF | | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14638238 |

CORRESPONDENCE DATA

Fax Number: (202)408-0924

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: 202-371-8976

Email: firm@rabinberdo.com **Correspondent Name:** RABIN & BERDO, P.C.

Address Line 1: 1101 14TH ST., N.W., SUITE 500

Address Line 4: WASHINGTON, D.C. 20005

| | JIM-155 |
|--------------------|------------------------------------------------------------|
| NAME OF SUBMITTER: | JUN-HWA JEONG |
| SIGNATURE: | /Jun-Hwa Jeong/ |
| DATE SIGNED: | 03/04/2015 |
| | This document serves as an Oath/Declaration (37 CFR 1.63). |

Total Attachments: 2

PATENT REEL: 035084 FRAME: 0712 source=JIM-155-comb_asgn_dec#page1.tif source=JIM-155-comb_asgn_dec#page2.tif

> PATENT REEL: 035084 FRAME: 0713

| Attorney Reference: | |
|---------------------|--|
|---------------------|--|

ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Dong Oh KANG, Kyu Chang KANG, Joon Young JUNG, Jang Ho CHOI, Jin Young

MOON, and Chang Seok BAE, hereinafter referred to collectively as the assignor and inventor, has invented a

| SMART | I FARNING | SVSTEM | HSING DEV | ICE SOCIAL | RELATION A | ND METHOD | THEREOF |
|---------|------------|--------|------------|------------|-------------------|-----------|-----------|
| OINWL I | FFWUIAIIAO | SISIEM | COMING DEV | IOL OUGIAL | VERVIOUS V | | HIGHNEYH, |

| HOOK AND OTHER BOOK BYIE. | to concentrary as are accigned and introduced internet a |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| certain improvement relating to | |
| SMART LEARNING SYSTEM USING DEVICE SOCIA | L RELATION AND METHOD THEREOF, |
| | rial No, and was amended |
| on(if | applicable); |
|] the specification of which was filed under the Patent Serial No, the United States of Ar | Cooperation Treaty onnnerica being designated. |
| | ations Research Institute of Daejeon, Republic of |
| <u>Korea,</u> nereinafter referred to as the assignee or applicant, is d and to said application, including any and all divisions a any and all patents which may be granted therefor, inclu hereof; | lesirous of acquiring the entire right, title and interest in nd continuations thereof, and in and to said invention and uding any and all renewals, reissues and prolongations |
| raluable consideration paid by said assignee to said as assignor hereby assigns, sells and transfers to said as all and exclusive right, title and interest in and to continuations thereof, and in and to said invention and coluding any and all renewals, reissues and proked on the said assigns, to have, hold, exercise and entered on the said invention and any are and all renewals, reissues and prolongations thereof, anywise arising from or appertaining thereto, for and digranted, including any and all renewals, reissues and | consideration of One Dollar (\$1.00), and other good and ssignor, the receipt of which is hereby acknowledged, said ssignee, and said assignee's successors and assigns, the o said application, including any and all divisions and and any and all patents which may be granted therefor, ongations thereof; said assignee, and said assignee's joy the said application, including any and all divisions and all patents which may be granted therefor, including any with all the rights, powers, privileges and advantages in uring the term or terms of any and all such patents when d prolongations thereof, for the use and benefit of said, in as ample and beneficial a manner as the said assignor assignment had not been made. |
| AND said assignor hereby agrees to perform successors or assigns, any and all acts relating to the and all renewals, reissues and prolongations thereof. | , upon the request of said assignee, or said assignee's obtaining or to the asserting of said patents, including any |
| | the Commissioner of Patents and Trademarks to issue divisions and continuations thereof, to said assignee, and herewith. |
| As an above-named inventor, I hereby decleration to be made by me, and that I am the original of the application. | are that the above-identified application was made or inventor or an original joint inventor of a claimed invention |
| I hereby acknowledge that any willful false sta J.S.C. 1001 by fine or imprisonment of not more than fi | atement made in this declaration is punishable under 18 ve (5) years, or both. |
| Address all correspondence and telephone ca 600, Washington, D.C. 20005, Telephone: (202) 371-89 | lls to Rabin & Berdo, P.C., 1101 14 th Street, N.W., Suite 176; Fax: (202) 408-0924, Customer No. 23995. |
| VITNESS: | ASSIGNOR (SOLE OR FIRST INVENTOR): |
| signature: | Signature: DsMy |
| lame: | Legal Name:Dong Oh KANG |
| Address: | Date: March 3, 2015 |
| • | |

PATENT

REEL: 035084 FRAME: 0714

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

| WITNESS: | ASSIGNOR (SECOND INVENTOR): |
|------------|-----------------------------|
| Signature: | Signature: |
| Name: | Legal Name: Kyu Chang KANG |
| Address: | Date: |
| | |
| WITNESS: | ASSIGNOR (THIRD INVENTOR): |
| Signature: | Signature: |
| Name: | |
| Address: | Date: <u> Mar. 3, 2015</u> |
| | |
| WITNESS: | ASSIGNOR (FOURTH INVENTQR): |
| Signature: | 11 -7 6 |
| Name: | |
| Address: | 41 |
| | |
| WITNESS: | ASSIGNOR (FIFTH INVENTOR): |
| Signature: | Signature: |
| Name: | Legal Name: Jin Young MOON |
| Address: | Date: March 3, 2015 |
| WITNESS: | ASSIGNOR (SIXTH INVENTOR): |
| Signature: | |
| | , , |
| Name: | |
| | |

RABIN & BERDO, P.C., Washington, D.C.

PATENT

REEL: 035084 FRAME: 0715

RECORDED: 03/04/2015