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PATENT ASSIGNMENT

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| Han Min JUNG | 11/02/2011 |
| Pyung KIM | 11/02/2011 |
| Seung Woo LEE | 11/02/2011 |
| Mi Kyung LEE | 11/02/2011 |
| Beom Jong YOU | 11/02/2011 |

RECEIVING PARTY DATA

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| State/Country: | REPUBLIC OF KOREA |
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PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13319119 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | P10418US |
|-------------------------|-------------|
| NAME OF SUBMITTER: | Taeksoo Lee |

Total Attachments: 2

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PATENT REEL: 027484 FRAME: 0654 OP \$40.00 13319119

ASSIGNMENT

WHEREAS, Han Min JUNG, a citizen of Republic of Korea, whose post office address is 129-305, Hanbit Apt., 99, Eoeun-dong, Yuseong-gu, Daejeon 305-806, Republic of Korea, Pyung KIM, a citizen of Republic of Korea, whose post office address is 604-1304, Banseokmaeul Apt., Banseok-dong, Yuseong-gu, Daejeon 305-150, Republic of Korea, Seung Woo LEE, a citizen of Republic of Korea, whose post office address is 119-1001, Calm Morning Apt., Nae-dong, Seo-gu, Daejeon 302-181, Republic of Korea, Mi Kyoung LEE, a citizen of Republic of Korea, whose post office address is 2-101, KAIST Gyosu Apt., 383-2, Doryong-dong, Yuseong-gu, Daejeon 305-340, Republic of Korea, and Beom Jong YOU, a citizen of Republic of Korea, whose post office address is 1215, Shangrilla Plus Ville, Bongmyeong-dong, Yuseong-gu, Daejeon 305-301, Republic of Korea, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

SEMANTIC SERVICE APPLYING SYSTEM AND METHOD

for which they have executed an application for Letters Patent for the United States in the United States Patent and Trademark Office even date herewith.

| If this Assignment is filed after the | he filing dat | e of the | above-id | entified | application | n, the |
|--|---------------|-----------|-----------|-----------|-------------|---------|
| undersigned hereby authorize and request | Taeksoo Lee | e, Reg. N | o. 61,976 | of the l | LRK Pater | ıt Law |
| Firm, whose address is 1952 Gallows Rd. | , Suite 200, | Vienna, | Virginia | 22182, | to insert h | iere in |
| parenthesis (Application No | , filed _ | |) the fi | ling date | e and appli | cation |
| number of said application when known. | | | | | | |
| | | | | | | |

AND WHEREAS, KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY

<u>INFORMATION</u>, a corporation organized and existing under the laws of <u>Republic of Korea</u>, whose post-office address is <u>52</u>, <u>Eoeun-dong</u>, <u>Yuseong-gu</u>, <u>Daejeon 305-333</u>, <u>Republic of Korea</u>, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, 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, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and

PATENT REEL: 027484 FRAME: 0655 advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective dates indicated below.

| The | 11/2/2011 | Dyung- | W 12/200 |
|---------------|-----------|--------------|-------------------|
| Han Min JUNG | Date | Pyung KIM | Date |
| -3 | 11/2/2011 | mo | <u> (1/2/2/()</u> |
| Seung Woo LEE | Date | Mi Kyang LEE | Date |
| WVb | 11/2/2011 | | |
| Beom Jong YOU | Date | | |
| | | | |
| Witnessed by: | | | |
| | | | |
| | Date | | Date |

PATENT REEL: 027484 FRAME: 0656

RECORDED: 01/05/2012