

## 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>
HONG-IL JU	05/28/2018
YOUNG-HO KIM	05/28/2018
YUN-KYUNG LEE	05/29/2018
BO-HEUNG CHUNG	05/29/2018
JEONG-NYEO KIM	05/29/2018
JAE-DEOK LIM	05/28/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE
<b>Street Address:</b>	218 GAJEONG-RO, YUSEONG-GU
<b>City:</b>	DAEJEON
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	34129
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15996802
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<b>ATTORNEY DOCKET NUMBER:</b>	P11577US
<b>NAME OF SUBMITTER:</b>	TAEKSOO LEE
<b>SIGNATURE:</b>	/Taeksoo Lee/
<b>DATE SIGNED:</b>	06/04/2018
<b>Total Attachments: 3</b>	

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## ASSIGNMENT

WHEREAS, I/We

**JU, Hong-II**, a citizen of Republic of Korea, whose post office address is 102-908, 83, Wolpyeongdong-ro, Seo-gu, Daejeon 35210, Republic of Korea,

**KIM, Young-Ho**, a citizen of Republic of Korea, whose post office address is 708-1801, 94, Bongmyeong-ro, Yuseong-gu, Daejeon 34191, Republic of Korea,

**LEE, Yun-Kyung**, a citizen of Republic of Korea, whose post office address is 202-901, 127, Dunsannam-ro, Seo-gu, Daejeon 35249, Republic of Korea,

**CHUNG, Bo-Heung**, a citizen of Republic of Korea, whose post office address is 609-301, 187, Noeundong-ro, Yuseong-gu, Daejeon 34083, Republic of Korea,

**KIM, Jeong-Nyeo**, a citizen of Republic of Korea, whose post office address is 101-103, 22, Munji-ro, Yuseong-gu, Daejeon 34121, Republic of Korea, and

**LIM, Jae-Deok**, a citizen of Republic of Korea, whose post office address is 1008-1602, 181, Maeum-ro, Sejong-si 30062, Republic of Korea,

hereinafter referred to as the ASSIGNOR(s), has invented a certain improvement relating to

### **APPARATUS AND METHOD FOR MANAGING METERING INFORMATION**

for which he has executed, on the same date as this assignment, an application for Letters Patent for the United States to be filed in the United States Patent and Trademark Office.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request Taeksoo Lee, Reg. No. 61,976 of the LRK Patent Law Firm, whose address is 1952 Gallows Rd., Suite 200, Vienna, Virginia 22182, to insert here in parenthesis (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

AND WHEREAS, **ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE**, a corporation organized and existing under the laws of Republic of Korea, whose post-office address is **218, Gajeong-ro, Yuseong-gu, Daejeon 34129, Republic of Korea**, 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.

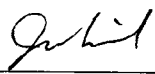
NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNOR(s) hereby assigns, sells and transfers to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, 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 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 ASSIGNOR(s) might or could have held and enjoyed the same, if this assignment had not been made.

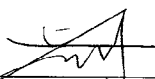
AND said ASSIGNOR(s) hereby agrees to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said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

AND said ASSIGNOR(s) authorizes and requests 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 ASSIGNOR(s), on the respective date(s) indicated below.

  
\_\_\_\_\_  
Name **JU, Hong-II**

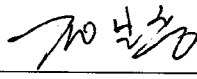
May 28, 2018  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Name **KIM, Young-Ho**


May 28, 2018  
\_\_\_\_\_  
Date

  
Name **LEE, Yun-Kyung**

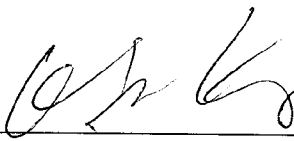
May 29, 2018  
Date

  
Name **CHUNG, Bo-Heung**

May 29, 2018  
Date

  
Name **KIM, Jeong-Nyeo**

May 29, 2018  
Date

  
Name **LIM, Jae-Deok**

May 29, 2018  
Date