

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Se Han KIM</td> <td>08/13/2010</td> </tr> <tr> <td>Nae Soo KIM</td> <td>08/13/2010</td> </tr> <tr> <td>Ho Yong KANG</td> <td>08/13/2010</td> </tr> <tr> <td>Kyo Hoon SON</td> <td>08/13/2010</td> </tr> <tr> <td>Cheol Sig PYO</td> <td>08/18/2010</td> </tr> </tbody> </table>		Name	Execution Date	Se Han KIM	08/13/2010	Nae Soo KIM	08/13/2010	Ho Yong KANG	08/13/2010	Kyo Hoon SON	08/13/2010	Cheol Sig PYO	08/18/2010
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RECEIVING PARTY DATA													
Name:	Electronics and Telecommunications Research Institute												
Street Address:	161, Gajeong-dong, Yuseong-gu												
City:	Daejeon												
State/Country:	REPUBLIC OF KOREA												
Postal Code:	305-350												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12885872</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12885872								
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Application Number:	12885872												
CORRESPONDENCE DATA													
Fax Number:	(202)434-1501												
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NAME OF SUBMITTER:	J. Randall Beckers												

CH \$40.00 12885872

Total Attachments: 1
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U.S. ASSIGNMENT

S&H 100

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

Electronics and Telecommunications Research Institute
161, Gajeong-dong, Yuseong-gu, Daejeon 305-350, Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

APPARATUS AND METHOD FOR CHARGING INTERNAL BATTERY IN WIRELESS SENSOR NETWORK

relating to International Patent Application _____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on ;

(Insert date of execution of application, if not concurrent)

(b) filed on ,

Serial No. ;

Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

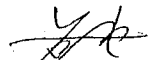
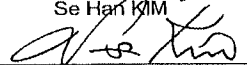
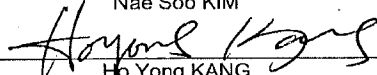
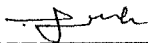

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1)	 Se Han KIM	Aug 13, 2010	_____
2)	 Nae Soo KIM	Aug 13, 2010	_____
3)	 Ho Yong KANG	Aug 13, 2010	_____
4)	 Kyo Hoon SON	Aug 13, 2010	_____
5)	 Cheol Sig PYO	Aug 18, 2010	_____