PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2779900

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SUNG-KU YEO	01/20/2014
SONG-CHEOL HONG	01/20/2014
DUK-JU AHN	01/20/2014
GWANG-HYEON JEONG	01/20/2014
SE-HO PARK	01/20/2014
MIN-CHEOL HA	01/20/2014

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU
City:	SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Name:	KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY
Traine.	INCITED ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY
Street Address:	291, DAEHAK-RO, YUSEONG-GU

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14162340

CORRESPONDENCE DATA

Fax Number: (516)228-8475

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Phone: 5162283565

Email: Genmail@farrelliplaw.com

Correspondent Name: PAUL J. FARRELL

Address Line 1: 290 BROADHOLLOW ROAD, SUITE 210 E

Address Line 4: MELVILLE, NEW YORK 11747

ATTORNEY DOCKET NUMBER:	678-4920
NAME OF SUBMITTER:	PAUL J. FARRELL
SIGNATURE:	/pjf/
	IAILNI

502733294 REEL: 032498 FRAME: 0478

DATE SIGNED:	03/21/2014
Total Attachments: 6	
source=ASSIGNMENT#page1.tif	
source=ASSIGNMENT#page2.tif	
source=ASSIGNMENT#page3.tif	
source=ASSIGNMENT#page4.tif	
source=ASSIGNMENT#page5.tif	
source=ASSIGNMENT#page6.tif	

PATENT REEL: 032498 FRAME: 0479

Docket No. 678-4920

Client Ref.: P20421-US (MG-201211-023-1-US0)

ASSIGNMENT

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: Samsung Electronics Co., Ltd.

ADDRESS: 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea

ASSIGNEE: Korea Advanced Institute of Science and Technology

ADDRESS: 291, Daehak-ro, Yuseong-gu, Daejeon, 305-701, Republic of Korea

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE: WIRELESS ELECTRIC POWER TRANSMITTER

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment or indicates an attorney docket no. 678-4920, or is more particularly identified as:

X	executed on even date	e herewith, or
	Serial No. 14/162,340	_ filed in the U.S. Patent & Trademark Office on $\frac{\text{January }23,2014}{\text{,}}$ or
	executed on	

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG ELECTRONICS CO., LTD.,& KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request <u>Paul J. Farrell, Reg. No. 33,494</u>, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

And I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

INVENTOR(S)		Date Signed	<u>Witness(es)</u>	
1) Sung-ku TeO Sung-Ku YEO	(Seal)	Jan. 20, 2014		_
2) Song-Cheol HONG	(Seal)			_
3) Duk-Ju AHN				_
4) Gwang-Hyeon JEONG				_
5) <u>Se Ho Park</u> Se-Ho PARK	(Seal)	Jan 20,2014	·	
Min-Cheol Ha	(Seal)	Jan 20, 2014	-	

Docket No. 678-4920 Client Ref.: P20421-US (MG-201211-023-1-US0)

ASSIGNMENT

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: Samsung Electronics Co., Ltd.

ADDRESS: 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea

ASSIGNEE: Korea Advanced Institute of Science and Technology

ADDRESS: 291, Daehak-ro, Yuseong-gu, Daejeon, 305-701, Republic of Korea

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE: WIRELESS ELECTRIC POWER TRANSMITTER

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment or indicates an attorney docket no. 678-4920, or is more particularly identified as:

X	executed on even date h	erewith, or	January 22, 2014
-	Serial No. <u>14/162,340</u>	filed in the U.S. Patent & Trademark Office on	January 23, 2014 , or
п	executed on		

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG ELECTRONICS CO., LTD.,& KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request Paul J. Farrell, Reg. No. 33,494, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Page 1 of 2

And I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

INVENTOR(S)	Date Signed	Witness(es)
1) Sung-Ku YEO	(Seal)	
2) Song-Cheol HONG	(Seal)	
3) Duk-Ju AHN	(Seal) Jan. 20, 2014	
4) Gwang-Hyeon JEONG	(Seal)	
5) Se-Ho PARK	(Seal)	•
6)	(Seal)	

Page 2 of 2

Docket No. 678-4920 Client Ref.: P20421-US (MG-201211-023-1-US0)

ASSIGNMENT

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: Samsung Electronics Co., Ltd.

ADDRESS: 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea

ASSIGNEE: Korea Advanced Institute of Science and Technology

ADDRESS: 291, Daehak-ro, Yuseong-gu, Daejeon, 305-701, Republic of Korea

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE: WIRELESS ELECTRIC POWER TRANSMITTER

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment or indicates an attorney docket no. 678-4920, or is more particularly identified as:

X	executed on even date	herewith, or	
	Serial No	filed in the U.S. Patent & Trademark Office on	January 23, 2014
	executed on		

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG ELECTRONICS CO., LTD.,& KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request Paul J. Farrell, Reg. No. 33,494, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Page 1 of 2

And I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any intelligence, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE drifts legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, saue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

INVENTOR(S)	Date Signed	Witness(es)
1) Sung-Ku YEO	(Seal)	
2) Songehed Mong Song-Cheol HONG	(Seal) Jan. 20, 2014	
3) Duk-Ju AHN	(Seal)	
4) Gwang-Hyeon JEONG	(Seal) Jan 20, 2014	
5) Se-Ho PARK	(Seal)	
Min-Cheol HA	(Seal)	

Page 2/2