

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ji Hyung KIM	06/10/2010
Byung-Jae KWAK	06/04/2010
Dong Seung KWON	06/10/2010
Se-Jin KIM	05/19/2010
Min-Seok JANG	05/19/2010
Een-Kee HONG	05/18/2010

RECEIVING PARTY DATA

Name:	Samsung Electronics Co. Ltd.
Street Address:	416 Maetan-Dong, Yeongtong-gu
City:	Suwon-si, Gyeonggi-do
State/Country:	REPUBLIC OF KOREA
Postal Code:	442-742

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

Property Type	Number
Application Number:	12747675

CORRESPONDENCE DATA

Fax Number: (202)403-3587
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

OP \$40.00 12747675

Phone: 202-293-0804
Email: usdocketing@jeffersonip.com
Correspondent Name: Jefferson IP Law, LLP
Address Line 1: 1130 Connecticut Ave., NW
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Address Line 4: Washington, DISTRICT OF COLUMBIA 20036

ATTORNEY DOCKET NUMBER:	0204-0119
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NAME OF SUBMITTER:	Stephanie Bolger
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Total Attachments: 7

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Attorney Docket No.:
Client Docket No.:

Assignment

WHEREAS, the following inventors, namely 1) **KIM, Ji Hyung** of 411-803, Yeolmaemaecul Apt., Jijok-dong, Yuseong-gu, Daejeon 305-330, Republic of Korea; 2) **KWAK, Byung-Jae** of 1105-202, Yeolmaemaecul 11-danji, 21/2, 552-3, Noeun-dong, Yuseong-gu, Daejeon 305-325, Republic of Korea; 3) **KWON, Dong Seung** of 204-1304, Expo Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-390, Republic of Korea; 4) **KIM, Se-Jin** of 203-1107, Dongwon Apt., Jinae-dong, Gimhae-si, Gyeongsangnam-do 621-780, Republic of Korea; 5) **JANG, Min-Seok** of #101, 991-4, Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-470, Republic of Korea; 6) **HONG, Een-Kee** of 309-801, Saetbyeol maecul Woobang Apt., Bundang-dong, Bundang-gu, Seongnam-si, Gyeonggi-do 463-750, Republic of Korea (hereinafter called "Assignors"), having made or discovered certain new, useful and non-obvious improvements in an invention having a working title of:

METHOD OF CONTROLLING UPLINK POWER

for which a United States Patent Application is being filed concurrently herewith or, if not being concurrently filed, was filed on June 11, 2010, and assigned Serial No. 12/747,675; and,

WHEREAS, **Samsung Electronics Co., Ltd.**, a corporation duly organized under the laws of the Republic of Korea, located and doing business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 442-742, Republic of Korea and **Electronics and Telecommunications Research Institute**, a research institute duly organized under the laws of the Republic of Korea, located and doing business at 161, Gajeong-dong, Yuseong-gu, Daejeon 305-350, Republic of Korea (hereinafter called "Assignees"), is desirous of acquiring the entire right, title and interest therein;

NOW, THEREFORE, BE IT KNOWN that for and in good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors do hereby sell, assign and transfer unto said Assignees the entire and exclusive worldwide right, title and interest in and to all said inventions and discoveries disclosed in said application, and in and to said application, any and all substitutions, divisions, provisionals, conversions of provisionals and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals and reissues thereof; and the right to file any foreign application and/or claim priority under the provisions of any international treaty or convention arising from this application or any divisional, continuing, substitute or reissue application therefrom. The aforesaid assignment includes the right in and to all income, royalties, damages and payments, now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignors if this sale, assignment and transfer had not been made.

Assignors covenant and agree, without further compensation to said Assignors but at Assignees' expense:

- a. to execute:
 - i. all papers to be used in connection with this application and any divisional, continuing, substitute or reissue application thereof, as the Assignees may deem necessary or expedient, and
 - ii. all papers in connection with any interference, litigation, mediation, arbitration or other proceeding relating to this application or any divisional, continuing, substitute or reissue application thereof, as may be necessary or expedient;
- b. to cooperate with the Assignees in every way possible in obtaining evidence and going forward in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof;
- c. to communicate to the Assignees any facts relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof, including evidence for

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- any interference, litigation, mediation, arbitration or other proceeding relating to said invention, whenever requested;
- d. to testify in any interference, litigation, mediation, arbitration or other proceeding relating to said invention; said application and any divisional, continuing, substitute or reissue application thereof whenever requested; and
- e. to perform all other affirmative acts which may be necessary or desirable to secure full and complete protection of the inventions and discoveries or that may be necessary or desirable to vest in Assignees the complete title to the inventions and discoveries and Letters Patent hereby conveyed and to enable Assignees to record title.

Assignors hereby authorize and request the United States Patent and Trademark Office or any other issuing authority to issue any and all Letters Patent that may be granted upon this invention and/or this application or any divisional, continuing, substitute or reissue application thereof to the Assignees, their legal representatives, successors and assigns.

Assignors each hereby represent, covenant and warrant that he or she has the full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

The provisions of this Assignment are binding upon each Assignors' heirs, legal representatives and/or administrators and assigns.

Assignors hereby grant to the law firm of JEFFERSON IP Law, LLP of Washington, DC and their attorneys and agents as associated with Customer No. 68103 the authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country.

Signature of First Inventor:	<i>Kim JI Hyung</i>	June 10, 2010
	KIM, Ji Hyung	Date
Signature of Second Inventor:		
	KWAK, Byung-Jae	Date
Signature of Third Inventor:	<i>Dong Seung</i>	June 10, 2010
	KWON, Dong Seung	Date
Signature of Fourth Inventor:		
	KIM, Se-Jin	Date
Signature of Fifth Inventor:		
	JANG, Min-Seok	Date
Signature of Sixth Inventor:		
	HONG, Eun-Kee	Date

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Signature of First Inventor:

 KIM, Ji Hyung Date

Signature of Second Inventor:

Byung-Jae Kwak

 KWAK, Byung-Jae Date 2010-06-04

Signature of Third Inventor:

 KWON, Dong Seung Date

Signature of Fourth Inventor:

 KIM, Se-Jin Date

Signature of Fifth Inventor:

 JANG, Min-Seok Date

Signature of Sixth Inventor:

 HONG, Een-Kee Date

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Signature of First Inventor:

KIM, Ji Hyung Date

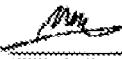
Signature of Second Inventor:

KWAK, Byung-Jae Date

Signature of Third Inventor:

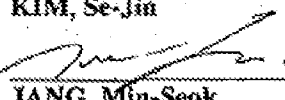
KWON, Dong Seung Date

Signature of Fourth Inventor:



KIM, Se-Jin Date 05/19, 2010

Signature of Fifth Inventor:



JANG, Min-Seok Date 05/15, 2010

Signature of Sixth Inventor:

HONG, Een-Kee Date

IP20070903A

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- any interference, litigation, mediation, arbitration or other proceeding relating to said invention, whenever requested;
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KIM, Ji Hyung	Date

Signature of Second Inventor:

KWAK, Byung-Jae	Date

Signature of Third Inventor:

KWON, Dong Seung	Date

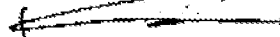
Signature of Fourth Inventor:

KIM, Se-Jin	Date

Signature of Fifth Inventor:

JANG, Min-Seok	Date

Signature of Sixth Inventor:

	
HONG, Een-Kee	2010.05.18 Date