

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>Yeong-Moon SON</td> <td>04/12/2010</td> </tr> <tr> <td>Kang-Gyu LEE</td> <td>04/12/2010</td> </tr> <tr> <td>Jung-Je SON</td> <td>04/12/2010</td> </tr> <tr> <td>Geun-Hwi LIM</td> <td>04/12/2010</td> </tr> <tr> <td>Jae-Hyuk JANG</td> <td>04/12/2010</td> </tr> <tr> <td>Jin-Hyun YOUN</td> <td>04/12/2010</td> </tr> </tbody> </table>		Name	Execution Date	Yeong-Moon SON	04/12/2010	Kang-Gyu LEE	04/12/2010	Jung-Je SON	04/12/2010	Geun-Hwi LIM	04/12/2010	Jae-Hyuk JANG	04/12/2010	Jin-Hyun YOUN	04/12/2010
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Jae-Hyuk JANG	04/12/2010														
Jin-Hyun YOUN	04/12/2010														
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														
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>12682672</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12682672										
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Application Number:	12682672														
CORRESPONDENCE DATA															
Fax Number:	(202)403-3587														
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NAME OF SUBMITTER:	Whitney Teets														

OP \$40.00 12682672

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**PATENT
 REEL: 024217 FRAME: 0369**

Total Attachments: 5

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Assignment

WHEREA, the following inventor, namely 1) **Yeong-Moon SON**, 2) **Kang-Gyu LEE**, 3) **Jung-Je SON**, 4) **Geun-Hwi LIM**, 5) **Jae-Hyuk JANG**, 6) **Jin-Hyun YOUN** all citizens of the Republic of Korea and residing respectfully at 1) #203-1302, Taeyeong Desian APT., Yeongdeok-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea, 2) #105-1704, Hyundai Home Town, Mabuk-ri, Guseong-cup, Yongin-si, Gyeonggi-do, Republic of Korea, 3) #4106-603, Eoeunmokmaeul Daewon Cantaville APT., Jung-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea, 4) #204-1003, Saetbyeolmaeul Dongseong APT., Bundang-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea, 5) #615-B, STAY7, 1046-13, Ingye-dong, Paldal-gu, Suwon-si, Gyeonggi-do, Republic of Korea, 6) #118-102, Eunhaeng APT., Changu-dong, Hanam-si, Gyeonggi-do, 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 FOR OPERATING CONTROL SLEEP MODE IN A COMMUNICATION SYSTEM,

for which a United States Patent Application is being filed concurrently herewith or, if not being concurrently filed, was filed on April 12, 2010, and assigned Serial No. 12/682,672 and,

WHEREA, **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 (hereinafter called "Assignee") are 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 Assignee 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 Assignee's 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 Assignee 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 Assignee 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;

Attorney Docket No.:
Client Docket No.:


- c. to communicate to the Assignee any facts relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof, including evidence for 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 Assignee the complete title to the inventions and discoveries and Letters Patent hereby conveyed and to enable Assignee 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 Assignee, its legal representatives, successors and assigns.

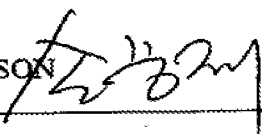
Assignors each hereby represent, covenant and warrant that he or she has the full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

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

Assignors hereby grant to the law firm of JEFFERSON IP Law, LLP of Washington, DC and its 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: Yeong-Moon SON  12 April 2010
Date

Signature of Second Inventor: Kang-Gyu LEE  12 April 2010
Date

Signature of Third Inventor: Jung-Je SON  12 April 2010
Date

Signature of Fourth Inventor: Geun-Hwi LIM _____
Date

Attorney Docket No.:
Client Docket No.:

- c. to communicate to the Assignee any facts relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof, including evidence for 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 Assignee the complete title to the inventions and discoveries and Letters Patent hereby conveyed and to enable Assignee 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 Assignee, its 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.

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Signature of First Inventor: Yeong-Moon SON

Date

Signature of Second Inventor: Kang-Gyu LEE

Date

Signature of Third Inventor: Jung-Je SON

Date

Signature of Fourth Inventor: Geun-Hwi LIM

Geunhwi Lim

12 Apr 2010
Date

Attorney Docket No.:
Client Docket No.:

Signature of Fifth Inventor:

Jae-Hyuk JANG

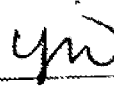


12 April, 2010

Date

Signature of Sixth Inventor:

Jin-Hyun YOUN



12 April, 2010

Date