

## 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>Sung Cheol CHANG</td> <td>05/18/2012</td> </tr> <tr> <td>Eunkyung KIM</td> <td>05/18/2012</td> </tr> <tr> <td>Hyun LEE</td> <td>05/18/2012</td> </tr> <tr> <td>Sung Kyung KIM</td> <td>05/18/2012</td> </tr> <tr> <td>Won-Ik KIM</td> <td>05/18/2012</td> </tr> <tr> <td>Chul Sik YOON</td> <td>05/18/2012</td> </tr> <tr> <td>Kwang Jae LIM</td> <td>05/18/2012</td> </tr> <tr> <td>Young-Ho JUNG</td> <td>05/18/2012</td> </tr> <tr> <td>Mi-Young YUN</td> <td>05/18/2012</td> </tr> <tr> <td>Jihoon CHOI</td> <td>05/18/2012</td> </tr> <tr> <td>Seokki KIM</td> <td>05/18/2012</td> </tr> </tbody> </table>		Name	Execution Date	Sung Cheol CHANG	05/18/2012	Eunkyung KIM	05/18/2012	Hyun LEE	05/18/2012	Sung Kyung KIM	05/18/2012	Won-Ik KIM	05/18/2012	Chul Sik YOON	05/18/2012	Kwang Jae LIM	05/18/2012	Young-Ho JUNG	05/18/2012	Mi-Young YUN	05/18/2012	Jihoon CHOI	05/18/2012	Seokki KIM	05/18/2012
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Name:	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE																								
Street Address:	161, Gajeong-dong, Yuseong-gu																								
City:	Daejeon																								
State/Country:	KOREA, REPUBLIC OF																								
Postal Code:	305-350																								
PROPERTY NUMBERS Total: 1																									
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CORRESPONDENCE DATA																									
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OP \$40.00 13475936

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ATTORNEY DOCKET NUMBER: PAN-135

NAME OF SUBMITTER: Steven M. Rabin

Total Attachments: 9  
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**ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT**

WHEREAS **Chang, Sung Cheol** of 302, 150-4, Sinsung-dong, Yuseong-gu, Daejeon, 305-804, Republic of Korea; **Kim, Eunkyung** of 307-701, Songlim maeul Apt., Hagi-dong, Yuseong-gu, Daejeon, 305-759, Republic of Korea; **Lee, Hyun** of 102-605, Saejong Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-390, Republic of Korea; **Kim, Sung Kyung** of 109-1502, Samsung Hanul Apt., Sinsung-dong, Yuseong-gu, Daejeon, 305-707, Republic of Korea; **Kim, Won-ik** of 709-602, Yeolmae Maeul 7 Danji, Jijok-dong, Yuseong-gu, Daejeon 305-770, Republic of Korea; **Yoon, Chul Sik** of 4-402, Samik Sunkyung Apt., Hagye 1-dong, Nowon-gu, Seoul 139-777, Republic of Korea; **Lim, Kwang Jae** of 612-901, Unamneomia Apt., Gyuanpyeong-dong, Yuseong-gu, Daejeon 305-746, Republic of Korea; **Jung, Young-Ho** of 200-1-702, Sindonga Apt., Ojeong-dong, Daedeok-gu, Daejeon, 603-010, Republic of Korea; **Yun, Mi-Young** of 100, Hanggoldaegil, Hwajeon-dong, Deokyang-gu, Goyang-si, Gyunggi-do, 412-791, Republic of Korea; **CHOI, JIHOON** of 100, Hanggoldaegil, Hwajeon-dong, Deokyang-gu, Goyang-si, Gyunggi-do, 412-791, Republic of Korea; **Kim, Seokki** of 305-1304, Unam Jugong 3-danji Apt., 779-1, Busan-dong, Osan-si, Gyeonggi-do, 417-719, Republic of Korea,

hereinafter referred to collectively as the assignor, has invented a certain improvement relating to

**METHOD AND TERMINAL FOR PERFORMING DIRECT COMMUNICATION BETWEEN TERMINALS.**

[X] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

[ ] said application having been filed in the United States Patent and Trademark Office on \_\_\_\_\_,

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[ ] the specification of which was filed under the Patent Cooperation Treaty on \_\_\_\_\_,

Serial No. \_\_\_\_\_, the United States of America being designated.

AND WHEREAS **ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE** of **161, Gajeong-dong, Yuseong-gu, Daejeon 305-350, Republic of Korea** hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, 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 paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

RABIN & BERDO, P.C., Washington, D.C.

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Page 2 of 2

EXECUTED, this 18th day of May, 2012

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Signature:

Name:

ASSIGNOR:

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Name:

*Chang, Sung Cheol*

Chang, Sung Cheol

WITNESSE:

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Name:

*EunKyung Kim*

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*Hyun Lee*

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*Yoon, Chul Sik*

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Jung, Young-Ho

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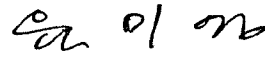
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Yun, Mi-Young

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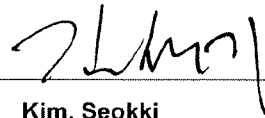
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