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PATENT ASSIGNMENT COVER SHEET

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| NATURE OF CONVEYANCE: | | ASSIGNMENT | | | |
| CONVEYING PARTY | DATA | | | | |
| | | | Name | Execution Date | |
| SU-JIN BAE | | | | 06/23/2014 | |
| YOUNG-KI JEON | | | | 06/23/2014 | |
| RECEIVING PARTY D | ΟΑΤΑ | | | | |
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| City: | GYEO | GYEONGGI-DO | | | |
| State/Country: | REPU | REPUBLIC OF KOREA | | | |
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| | | 1437 | 70011 | | |
| Property Type 143 | | 1437 | Number 70011 | | |
| CORRECTONDENCE | | | | | |
| CORRESPONDENCE DATA Fax Number: (972) | | | 628-3616 | | |
| | be sent t | • • | e-mail address first; if that is uns | successful, it will be sent | |
| using a fax number, | | d; if tl | hat is unsuccessful, it will be sen | | |
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| NAME OF SUBMITTER: | | | WILLIAM A. MUNCK | | |
| SIGNATURE: | | | /William A. Munck/ | | |
| DATE SIGNED: | | | 06/30/2014 | | |
| Total Attachments: 2 source=Assignment#pa source=Assignment#pa | - | | · | | |

DOCKET NO. P19809-US(GA-201109-501-1-US0)

ASSIGNMENT

WHEREAS, We, Su-Jin BAE, resident of Suwon-si, Gyeonggi-do, 443-737, Republic of Korea, citizen of Republic of Korea, Young-Ki JEON, resident of Hwaseong-si, Gyeonggi-do, 445-799, Republic of Korea, citizen of Republic of Korea have invented certain new and useful i mprovements in "METHOD AND APPARATUS FOR SUBSTITUTING FOR AUTHENTI CATION AND PAYMENT FOR THIRD PARTY SITE IN A RADIO MOBILE COMMU NICATION SYSTEM" disclosed in an application for United States Letters Patent (Application Serial No. __/____, filed on ______, said application having been executed con currently herewith;

WHEREAS, Samsung Electronics Co., Ltd, a corporation organized under the laws of the Republic of Korea, having a place of business at 129 Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea and Lift, having a place of business at _______, having a place of thereinafter referred to as "ASSIGNEES"), are desirous of acquiring my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon **P**(1).

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEES, their successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; We authorize William A. Munck of Munck Wilson Mandala, LLP. to insert in the parenthesis above the application number and filing date of said application when known; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEES of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEES, their successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEES, their successors, assigns and legal representatives.

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We hereby further agree that we will communicate to said ASSIGNEES, or to their successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEES, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEES and to aid said ASSIGNEES, their successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

Date: 2014. 6-23

Su-Jin BAE

Date: 2014.6.23

Young-Ki JEON



SAMSUNG ELECTRONICS

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PATENT REEL: 033215 FRAME: 0732