502891108 07/14/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SEUNG HOON CHOI	06/23/2014
KI IL KIM	06/24/2014
SANG MIN RO	06/23/2014
HYO JIN LEE	06/23/2014
JU HO LEE	06/23/2014
JOON YOUNG CHO	06/24/2014
HYOUNG JU JI	06/23/2014

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD
Street Address:	129, SAMSUNG-RO
Internal Address:	YEONGTONG-GU, SUWON-SI
City:	GYEONGGI-DO
State/Country:	REPUBLIC OF KOREA
Postal Code:	443-742

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14372206

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: DOCKET CLERK
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ATTORNEY DOCKET NUMBER:	SAMS07-22032
NAME OF SUBMITTER:	WILLIAM A. MUNCK
SIGNATURE:	/William A. Munck/
DATE SIGNED:	07/14/2014
	PAICNI

502891108 REEL: 033308 FRAME: 0848

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: 033308 FRAME: 0849

ASSIGNMENT

WHEREAS, We, Seung Hoon Choi, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Suwon-si, Gyeonggi-do, Republic of Korea, Ki Il Kim, resident of Yongin-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, Sang Min Ro, resident of Gangnam-gu, Seoul, Republic of Korea, citizen of Republic of Korea, Hyo Jin Lee, resident of Gangnam-gu, Seoul, Republic of Korea, citizen of Republic of Korea, Ju Ho Lee, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, Joon Young Cho, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, and Hyoung Ju Ji, resident of Songpa-gu, Seoul, Republic of Korea, citizen of Republic of Korea, have invented certain new and useful improvements in a "TERMINAL SIGNAL TRANSMISSION TIMING RANDOMISATION METHOD AND DEVICE IN WIRELESS COMMUNICATION SYSTEM" disclosed in an application for United States Letters Patent (Application Serial No. _/_____, filed on ________, said application having been executed concurrently 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 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our 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;

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 ASSIGNEE, its 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 ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its 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 ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, 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 ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

Date: Jun 13, 2014	初后到
	SEUNG HOON CHOI
Date:	KI IL KIM
Date: Jun 23, 2014	KI IL KIM
	SANG MIN RO
Date: Jun 23, 2014	ghi)
Date: Jun 13, 2014	Hyo Jin Lee
	N HO LEE
Date:	Joon Young Cho
Date: Jun ≥3, ≥014	Han
	HYOUNG JU JI

ASSIGNMENT

WHEREAS, We, Seung Hoon Choi, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Suwon-si, Gyeonggi-do, Republic of Korea, Ki Il Kim, resident of Yongin-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, Sang Min Ro, resident of Gangnam-gu, Seoul, Republic of Korea, citizen of Republic of Korea, Hyo Jin Lee, resident of Gangnam-gu, Seoul, Republic of Korea, citizen of Republic of Korea, Ju Ho Lee, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, Joon Young Cho, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, and Hyoung Ju Ji, resident of Songpa-gu, Seoul, Republic of Korea, citizen of Republic of Korea, have invented certain new and useful improvements in a "TERMINAL SIGNAL TRANSMISSION TIMING RANDOMISATION METHOD AND DEVICE IN WIRELESS COMMUNICATION SYSTEM" disclosed in an application for United States Letters Patent (Application Serial No. _/____, said application having been executed concurrently 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 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our 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;

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 ASSIGNEE, its 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 ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its 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 ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, 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 ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

Date:	Date:	
Kı IL Kım Date:	•	Seung Hoon Choi
Date:	Date: Jun 24, 2014	KI IL KIM
Date:HYO JIN LEE		Hyo Jin Lee
Date:		Ju Ho Lee
Date:	Date:	Joon Young Cho
Date:Hyoung Ju Ji	Date:	Hyoring It It

ASSIGNMENT

WHEREAS, We, Seung Hoon Choi, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Suwon-si, Gyeonggi-do, Republic of Korea, Ki Il Kim, resident of Yongin-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, Sang Min Ro, resident of Gangnam-gu, Seoul, Republic of Korea, citizen of Republic of Korea, Hyo Jin Lee, resident of Gangnam-gu, Seoul, Republic of Korea, citizen of Republic of Korea, Ju Ho Lee, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, Joon Young Cho, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, and Hyoung Ju Ji, resident of Songpa-gu, Seoul, Republic of Korea, citizen of Republic of Korea, have invented certain new and useful improvements in a "TERMINAL SIGNAL TRANSMISSION TIMING RANDOMISATION METHOD AND DEVICE IN WIRELESS COMMUNICATION SYSTEM" disclosed in an application for United States Letters Patent (Application Serial No. _______, filed on ________, said application having been executed concurrently 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 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our 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;

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	Date:	SEUNG HOON CHOI	
	Date:	Ki Il Kim	,
	Date:	SANG MIN RO	
	Date:	Hyo Jin Lee	
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	Date: JUN 24, 2014	Joon Young Cho	
	Date:	Hyoung Ju Ji	

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