

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5562257

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the RECEIVING PARTY OF THE SECOND ASSIGNEE'S NAME previously recorded on Reel 048548 Frame 0098. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
MIN JANG	05/31/2017
SANG-HYO KIM	05/22/2017
JONG-HWAN KIM	05/22/2017
MIN YOUNG CHUNG	05/22/2017
HYUNSEOK RYU	05/31/2017
WONJUN HWANG	05/31/2017
EUN CHONG BAEK	05/22/2017
RECEIVING PARTY DATA	
Name:	SAMSUNG ELECTRONICS CO., LTD
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU
City:	SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	16677
Name:	RESEARCH & BUSINESS FOUNDATION SUNGKYUNKWAN UNIVERSITY
Street Address:	2066, SEOBU-RO, JANGAN-GU
City:	SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15611725
CORRESPONDENCE DATA	
Fax Number:	(972)628-3616
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	9726283600
Email:	patents@munckwilson.com
Correspondent Name:	DOCKET CLERK - SEC
Address Line 1:	P.O. DRAWER 800889

Address Line 4: DALLAS, TEXAS 75380	
ATTORNEY DOCKET NUMBER:	SP17068-US (SAMS06-17068)
NAME OF SUBMITTER:	JACOB L. LACOMBE
SIGNATURE:	/Jacob L. LaCombe/
DATE SIGNED:	06/07/2019
Total Attachments: 5 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif	

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
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NAME OF SUBMITTER:	JACOB L. LACOMBE																
Signature:	/Jacob L. LaCombe/																

PATENT
REEL: 049412 FRAME: 0231

Date:	03/08/2019
Total Attachments: 3 source=SAMS0617068_Assignment_06012017#page1.tif source=SAMS0617068_Assignment_06012017#page2.tif source=SAMS0617068_Assignment_06012017#page3.tif	
RECEIPT INFORMATION EPAS ID: PAT5411620 Receipt Date: 03/08/2019	

ASSIGNMENT

WHEREAS, We, Min Jaag, resident of Seongnam-si, Gyeonggi-do, Republic of Korea, citizen of _____, Sang-Hyo Kim, resident of Seongnam-si, Gyeonggi-do, Republic of Korea, citizen of _____, Jong-Hwan Kim, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of _____, Min Young Chung, resident of Seocho-gu, Seoul, Republic of Korea, citizen of _____, Hyunseok Ryu, resident of Yongin-si, Gyeonggi-do, Republic of Korea, citizen of _____, Wonjun Hwang, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of _____, and Eun Chong Baek, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of _____, have invented certain new and useful improvements in a "APPARATUS AND METHOD FOR ENCODING WITH CYCLIC REDUNDANCY CHECK AND POLAR CODE" 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 16677, Republic of Korea and Research & Business Foundation Sungkyunkwan University, having a place of business at 2066, Seobu-ro, Jangan-gu, Suwon-si, Gyeonggi-do, Republic of Korea, (hereinafter referred to as "ASSIGNEES"), are 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 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.

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: May 31, 2019

Min Jang
Min Jang

Date: _____

Sang-Hyo Kim

Date: _____

Jong-Hwan Kim

Date: _____

Min Young Chung

Date: May 31, 2019

Hyunseok Ryu
Hyunseok Ryu

Date: May 31, 2019

Wonjun Hwang
Wonjun Hwang

Date: _____

Bun Chong Baek

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Date: _____

Min Jang

Date: May 22, 2017

Sang-Hyo Kim

Date: May 22, 2017

Jong-Twan Kim

Date: May 22, 2017

Min Young Chung

Date: _____

Hyunseok Ryu

Date: _____

Wonjun Hwang

Date: May 22, 2017

Eun Chong Baek