505097335 09/17/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5144095

		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY DA	ΑΤΑ	·			
		Name	Execution Date		
BU-SEOP JUNG			08/12/2018		
HYE-JUNG BANG			08/12/2018		
DOO-SUK KANG			08/12/2018		
MIN-JUNG KIM			08/12/2018		
BO-KUN CHOI			08/12/2018		
RECEIVING PARTY DA	ТА				
Name:	SAMSUNG ELECTRONICS CO., LTD.				
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU				
City:	SUWO	N-SI, GYEONGGI-DO			
State/Country:	KOREA	A, REPUBLIC OF			
Postal Code:	16677				
PROPERTY NUMBERS	Total: 1				
PROPERTY NUMBERS Property Type	Total: 1	Number			
Property Type Application Number:		Number 16132987			
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1:	ATA e sent to provideo	16132987 <i>The e-mail address first; if that is unsubtive the e-mail address first; if that is unsubtive the sent</i> <i>c, if that is unsuccessful, it will be sent</i> 202-293-0804 usdocketing@jeffersonip.com JEFFERSON IP LAW, LLP 1130 CONNECTICUT AVE., NW, SUITE	via US Mail.		
Property Type Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	ATA e sent to provideo	16132987 D the e-mail address first; if that is unsuble d; if that is unsuccessful, it will be sent 202-293-0804 usdocketing@jeffersonip.com JEFFERSON IP LAW, LLP 1130 CONNECTICUT AVE., NW, SUITE WASHINGTON, D.C. 20036	via US Mail.		
Property Type Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	ATA e sent to provideo	16132987 D the e-mail address first; if that is unsub- d; if that is unsuccessful, it will be sent 202-293-0804 usdocketing@jeffersonip.com JEFFERSON IP LAW, LLP 1130 CONNECTICUT AVE., NW, SUITE WASHINGTON, D.C. 20036 0201-1961	via US Mail.		
Property Type Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NU	ATA e sent to provideo	16132987 b the e-mail address first; if that is unsuccessful, it will be sent b ; if that is unsuccessful, it will be sent 202-293-0804 usdocketing@jeffersonip.com JEFFERSON IP LAW, LLP 1130 CONNECTICUT AVE., NW, SUITE WASHINGTON, D.C. 20036 0201-1961 GREGORY L. CLINTON	via US Mail.		
Property Type Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	ATA e sent to provideo	16132987 D the e-mail address first; if that is unsub- d; if that is unsuccessful, it will be sent 202-293-0804 usdocketing@jeffersonip.com JEFFERSON IP LAW, LLP 1130 CONNECTICUT AVE., NW, SUITE WASHINGTON, D.C. 20036 0201-1961	via US Mail.		

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	ORM COVER SHEET SONLY		
To the Director of the U.S. Patent and Trademark Office: Please	se record the attached documents or the new address(es) below.		
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)		
1) Bu-Seop JUNG, 2) Hye-Jung BANG, 3) Doo-Suk KANG, 4) Min-Jung KIM, and 5) Bo-Kun CHOI	Name: Samsung Electronics Co., Ltd.		
	Internal Address:		
Additional name(s) of conveying party(ies) attached? Yes V No 3. Nature of conveyance/Execution Date(s): Execution Date(s) <u>August 12, 2018</u>	Street Address: <u>129, Samsung-ro, Yeongtong-gu</u>		
✓ Assignment Merger Security Agreement Change of Name	City: Suwon-si, Gyeonggi-do		
Joint Research Agreement	State:		
Government Interest Assignment Executive Order 9424, Confirmatory License	Country: Republic of Korea Zip: 16677		
Other	Additional name(s) & address(es) attached? Yes 🖌 No		
 4. Application or patent number(s): This A. Patent Application No.(s) 16/132,987 Additional numbers at 	document is being filed together with a new application. B. Patent No.(s)		
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: One		
Name: Jefferson IP Law, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$		
Internal Address: Gregory L. Clinton	Authorized to be charged by credit card		
Street Address: 1130 Connecticut Ave., NW, Suite 420	Enclosed None required (government interest not affecting title)		
City: Washington	8. Payment Information		
State: <u>DC</u> Zip:20036	a. Credit Card Last 4 Numbers Expiration Date		
Phone Number: <u>202-293-0804</u>			
Fax Number: 202-403-3587	b. Deposit Account Number Authorized User Name		
Email Address: usdocketing@jeffersonip.com			
9. Signature: //Gregory L. CLINTON/ Reg. Signature	Date		
Gregory L. Clinton Name of Person Signing	Total number of pages including cover 4 sheet, attachments, and documents:		
Documents to be recorded (including cover shee	t) should be faxed to (571) 273-0140, or mailed to: of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450		

PATENT REEL: 046890 FRAME: 0302

Assignment

WHEREAS, the following inventors, namely 1) Bu-Scop JUNG, 2) Hye-Jung BANG, 3) Doo-Suk KANG, 4) Min-Jung KIM, and 5) Bo-Kun CHOI (hereinafter called "Assignors"), having made or discovered certain new, useful and non-obvious improvements in an invention having a working title of:

ELECTRONIC DEVICE PERFORMING RECONNECTION OF SHORT-RANGE COMMUNICATION AND METHOD FOR OPERATING THE SAME,

for which a United States Patent Application is being filed concurrently herewith or, if not being concurrently filed, was filed on September 17, 2018, and assigned Serial No. 16/132,987 ; and

WHEREAS, Samsung Electronics Co., Ltd., a corporation duly organized under the laws of the Republic of Korea, located and doing business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, 16677 (hereinafter called "Assignee"), is 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 all other foreign countries, 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 other foreign country 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:
 - 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
 - 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;

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DOCKET NO.: 0201-1961 CLIENT REF.: P23884-US/DMC SAMSUNG REF.: GM-201706-003-1-US0

- 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;
- 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 Assignce 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 represents, covenants and warrants 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 Assignors' 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.

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PATENT REEL: 046890 FRAME: 0304



DOCKET NO.: 0201-1961 CLIENT REF.: P23884-US/DMC SAMSUNG REF.: GM-201706-003-1-US0

Signature of Inventor:	Bu-Seop JUNG	August 12, 2018
	Bu-Seop JUNG	Date
Signature of Inventor:	HYE JUNG MAG	August 12, 2018
	Hye-Jung BANG	Date
Signature of Inventor:	a the films the	
	Doo-Luk KANG Doo-Suk KANG	August 12, 2018
	ENER-SUR RAINT	Date
Signature of Inventor:	MIN JUNG KIM	August 12, 2040
	Min-Jung KIM	<u>August 12, 2018</u> Date
2		
Signature of Inventor:	and fik	August 12, 2018
	Bo-Kan CHOI	Date

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PATENT REEL: 046890 FRAME: 0305

RECORDED: 09/17/2018