

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6406755

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SUHA YOON	08/04/2020
SEHO MYUNG	08/04/2020
SUNGCHUL PARK	08/04/2020
SUYOUNG PARK	08/06/2020
EUICHANG JUNG	08/04/2020
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
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17056447
CORRESPONDENCE DATA	
Fax Number:	(703)816-4100
<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:	703-816-4000
Email:	ptomail@nixonvan.com
Correspondent Name:	NIXON & VANDERHYE PC / SAMSUNG
Address Line 1:	901 N. GLEBE RD., 11TH FLOOR
Address Line 4:	ARLINGTON, VIRGINIA 22203
ATTORNEY DOCKET NUMBER:	MJS-912-320
NAME OF SUBMITTER:	MICHAEL J. SHEA
SIGNATURE:	/Michael J. Shea/
DATE SIGNED:	11/18/2020
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 3	

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Attorney Docket Number	MJS-912-320
First Named Inventor	YOON

INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76)

COMMUNICATION METHOD AND APPARATUS USING BEAMFORMING IN WIRELESS COMMUNICATION SYSTEM

(Title of the Application)

As a below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application,

OR

☒ United States Application Number or PCT International application number PCT/KR2019/002953filed on 2019-03-14.

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the application identified above.

WHEREAS, **Samsung Electronics Co., Ltd.** (hereinafter ASSIGNEE), a corporation having an office and place of business at **129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677 Republic of Korea**, is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;

ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention;

ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and

ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

ASSIGNOR hereby authorizes and requests ASSIGNEE'S attorney(s), Nixon & Vanderhye PC, of Customer Number 130936, to insert here in parentheses () the filing date and application number of said application when known.

AGREED and executed as noted below:**LEGAL NAME OF SOLE OR FIRST INVENTOR:**

(E.g., Given Name (first and middle (if any)) and Family Name or Surname)

Suha

YOON

Inventor's Signature:

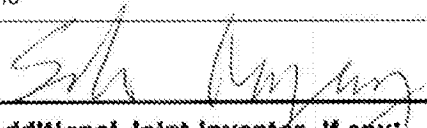
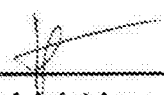
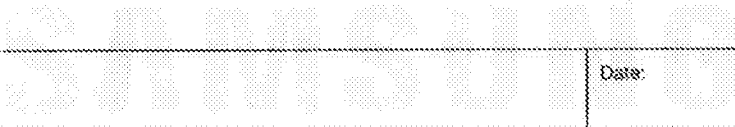
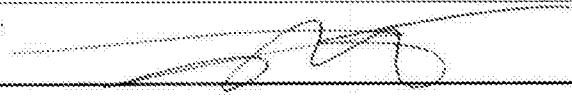
Date:

4/10/2020

[4] Additional inventor(s) on supplemental sheet(s)

Note: PTO Rules state "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in [37 CFR] § 1.56

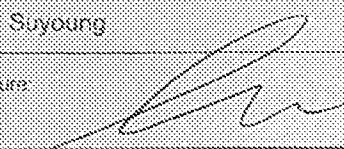
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SUPPLEMENTAL SHEET FOR DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet	
(Page 2 of 2)			
Legal Name of Additional Joint Inventor, If any:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Seho		MYUNG	
Inventor's Signature: 		Date: 4 Aug. 2020	
Legal Name of Additional Joint Inventor, If any:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Sungchul		PARK	
Inventor's Signature: 		Date: 4 AUG / 2020	
Legal Name of Additional Joint Inventor, If any:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Suyoung		PARK	
Inventor's Signature: 		Date:	
Legal Name of Additional Joint Inventor, If any:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Euichang		JUNG	
Inventor's Signature: 		Date: 4 AUG 2020	

Note: PTO Rules state "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in [37 CFR] §1.56

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Samsung Ref: GM-201804-068-1-US0
DOCKET NO.: MJS-912-320

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(Page 2 of 2)	
Legal Name of Additional Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Seho	MYUNG
Inventor's Signature:	Date:
Legal Name of Additional Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Sungchul	PARK
Inventor's Signature:	Date:
Legal Name of Additional Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Suyoung	PARK
Inventor's Signature: 	Date: Aug 6 2020
Legal Name of Additional Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Euichang	JUNG
Inventor's Signature:	Date: