

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5800230

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ADDING RECEIVING PARTY DATA previously recorded on Reel 040961 Frame 0655. Assignor(s) hereby confirms the CORRECTION.

CONVEYING PARTY DATA

Name	Execution Date
YOUNG-WAN SO	11/30/2016
KYUNG-MO PARK	11/30/2016
DOUG-YOUNG SUH	11/30/2016
YONG-WOO CHO	11/30/2016

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:	UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY
Street Address:	GLOBAL CAMPUS, 1732, DEOGYEONG-DAERO, GIHEUNG-GU
City:	YONGIN-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	446-701

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15319231

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 202-293-0804

Email: usdocketing@jeffersonip.com

Correspondent Name: JEFFERSON IP LAW, LLP

Address Line 1: 1130 CONNECTICUT AVE., NW, SUITE 420

Address Line 4: WASHINGTON, D.C. 20036

ATTORNEY DOCKET NUMBER:	0201-1764
NAME OF SUBMITTER:	SIMON G. BOOTH
SIGNATURE:	/Simon G. BOOTH/
DATE SIGNED:	11/01/2019

Total Attachments: 7

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YOUNG-WAN SO	11/30/2016
KYUNG-MO PARK	11/30/2016
DOUG-YOUNG SUH	11/30/2016
YONG-WOO CHO	11/30/2016
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
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15319231
CORRESPONDENCE DATA	
Fax Number:	
Phone:	202-293-0804
Email:	usdocketing@jeffersonip.com

PATENT
REEL: 050904 FRAME: 0569
12/19/2016 3:59 PM

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Correspondent Name: JEFFERSON IP LAW, LLP
Address Line 1: 1130 CONNECTICUT AVE., NW, SUITE 420
Address Line 4: WASHINGTON, D.C. 20036

ATTORNEY DOCKET NUMBER:	0201-1764
NAME OF SUBMITTER:	DAVID E. BROWN
Signature:	/David E. BROWN/
Date:	12/15/2016
Total Attachments: 4 source=0201-1764 Assignment As Filed_#page1.tif source=0201-1764 Assignment As Filed_#page2.tif source=0201-1764 Assignment As Filed_#page3.tif source=0201-1764 Assignment As Filed_#page4.tif	
RECEIPT INFORMATION EPAS ID: PAT4187816 Receipt Date: 12/15/2016	

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RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

1) Young-Wan SO; 2) Kyung-Mo PARK; 3) Doug-Young SUH; and
4) Yong-Woo CHO

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Samsung Electronics Co., Ltd.

Internal Address: _____

Street Address: 129, Samsung-ro, Yeongtong-gu

City: Suwon-si, Gyeonggi-do

State: _____

Country: Republic of Korea Zip: 16677

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) November 30, 2016

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

A. Patent Application No.(s)
15/319,231

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Jefferson IP Law, LLP

Internal Address: Simon G. Booth

Street Address: 1130 Connecticut Ave., NW, Suite 420

City: Washington

State: DC Zip: 20036

Phone Number: 202-293-0804

Fax Number: 202-403-3587

Email Address: usdocketing@jeffersonip.com

6. Total number of applications and patents involved: One

7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____
- Authorized to be charged by credit card
 - Authorized to be charged to deposit account
 - Enclosed
 - None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

/Simon G. BOOTH/ Reg. No. 58,582
Signature

November 1, 2019
Date

Simon G. Booth
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT
REEL: 050904 FRAME: 0571

Additional name and address of receiving parties:

Name: UNIVERSITY-INDUSTRY COOPERATION GROUP OF
KYUNG HEE UNIVERSITY

Address: Global Campus, 1732, Deogyong-daero, Giheung-gu, Yongin-si,
Gyeonggi-do, 446-701, Republic of Korea

Assignment

WHEREAS, the following inventor, namely 1) Young-Wan SO, 2) Kyung-Mo PARK, 3) Dong-Young SUH, 4) Yong-Woo CHO, all, citizens of the Republic of Korea (hereinafter called "Assignor"), having made or discovered certain new, useful and non-obvious improvements in an invention having a working title of:

**" METHOD AND DEVICE FOR TRANSMITTING AND RECEIVING
MULTIMEDIA DATA"**

for which a United States Patent Application is being filed concurrently herewith or, if not being concurrently filed, was filed on December 15, 2016, and assigned Serial No. 15/319,231; 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 & UNIVERSITY-INDUSTRY COOPERATION GROUP OF KYUNG HEE UNIVERSITY, a corporation duly organized under the laws of the Republic of Korea, located and doing business at Global Campus, 1732, Deogyong-daero, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea, 446-701 (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, Assignor does 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 foreign, 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 foreign 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 Assignor if this sale, assignment and transfer had not been made.

Assignor covenants and agrees, without further compensation to said Assignor but at Assignee's expense:

- a. to execute:

Docket No.: P22006-US(MJ-201407-014-I-US0)

- i. 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
- ii. 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;
- 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 Assignee the complete title to the inventions and discoveries and Letters Patent hereby conveyed and to enable Assignee to record title.

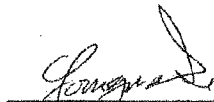
Assignor hereby authorizes and requests the United States Patent and Trademark Office or any other issuing authority to issue any and all Letters Patent that may be granted upon this invention and/or this application or any divisional, continuing, substitute or reissue application thereof to the Assignee, its legal representatives, successors and assigns.

Assignor 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 Assignor's heirs, legal representatives and/or administrators and assigns.

Assignor hereby grants 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.

Signature of Inventor:




Young-Wan SO

Nov. 30. 2016
Date

Docket No.: P22006-US(MJ-201407-014-1-US0)

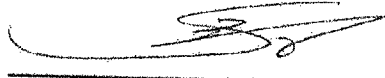
Signature of Inventor:



Kyung-Mo PARK

Nov. 30, 2016
Date

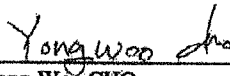
Signature of Inventor:



Doug-Young SUH

Nov. 30, 2016
Date

Signature of Inventor:



Yong-Woo CHO

Nov. 30, 2016
Date