

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4181269

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KYUNG-MO PARK	10/21/2016
YOUNG-WAN SO	10/21/2016
GI-YOUNG NAM	10/24/2016
KYOUNG-SOO PARK	10/25/2016
SANG-WOOK BAE	10/28/2016
DONG-SU HAN	10/26/2016
JAE-YEON SONG	10/27/2016

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:	KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY
Street Address:	291, DAEHAK-RO, YUSEONG-GU,
City:	DAEJEON
State/Country:	KOREA, REPUBLIC OF
Postal Code:	305-701

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15318285

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**PATENT**

ATTORNEY DOCKET NUMBER:	0201-1760
NAME OF SUBMITTER:	DONALD A. DIPAULA
SIGNATURE:	/Donald A. DIPAULA/
DATE SIGNED:	12/12/2016

Total Attachments: 10

source=0201-1760AssignmentAsFiled12-12-2016#page1.tif
source=0201-1760AssignmentAsFiled12-12-2016#page2.tif
source=0201-1760AssignmentAsFiled12-12-2016#page3.tif
source=0201-1760AssignmentAsFiled12-12-2016#page4.tif
source=0201-1760AssignmentAsFiled12-12-2016#page5.tif
source=0201-1760AssignmentAsFiled12-12-2016#page6.tif
source=0201-1760AssignmentAsFiled12-12-2016#page7.tif
source=0201-1760AssignmentAsFiled12-12-2016#page8.tif
source=0201-1760AssignmentAsFiled12-12-2016#page9.tif
source=0201-1760AssignmentAsFiled12-12-2016#page10.tif

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) Kyung-Mo PARK, 2) Young-Wan SO, 3) Gi-Young NAM,
4) Kyoung-Soo PARK, 5) Sang-Wook BAE, 6) Dong-Su HAN,
7) Jae-Yeon SONG

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

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

Execution Date(s) October 21, 24, 25, 26, 27, 28, 2016

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

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

4. Application or patent number(s):

A. Patent Application No.(s)
15/318,285

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: Donald A. DiPaula

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

City: Washington

State: District of Columbia 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:

/Donald A. DIPAULA/ Reg. #58,115
Signature

December 12, 2016
Date

Donald A. DiPaula
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 10

Additional name and address of receiving parties:

Name: **KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY**

Address: 291, Daehak-ro, Yuseong-gu, Daejeon, 305-701, Republic of Korea

DOCKET NO.: 0201-1760
CLIENT REF.: P21311-US1/DMC
SAMSUNG REF.: MJ-201406-046-1-US1

Assignment

WHEREAS, the following inventors, namely 1) Kyung-Mo PARK, 2) Young-Wan SO, 3) Gi-Young NAM, 4) Kyoung-Seo PARK, 5) Sang-Wook BAE, 6) Dong-Su HAN, 7) Jae-Yeon SONG, all, citizen of china (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 MANAGING MULTIMEDIA DATA

for which a United States Patent Application is being filed concurrently herewith or, if not being concurrently filed, was filed on December 12, 2016, and assigned Serial No. 15/318,285; 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 and KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY a corporation duly organized under the laws of the Republic of Korea, located and doing business at 291, Daehak-ro, Yuseong-gu, Daejeon, 305-701, Republic of Korea (hereinafter called "Assignee"), are 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.: 0201-1760

CLIENT REF.: P21311-US1/DMC

SAMSUNG REF.: MJ-201406-046-1-US1

- 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.

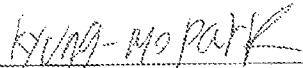
Assignor hereby represents, covenants and warrants that he or she has the full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

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.

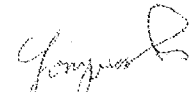
DOCKET NO.: 0201-1760
CLIENT REF: P21311-US1/DMC
SAMSUNG REF: MJ-201406-046-1-US1

Signature of Inventor:


Kyung-Mo PARK

Oct 21, 2016
Date

Signature of Inventor:


Young-Wan SO

Oct 21, 2016
Date

Signature of Inventor:

Gi-Young NAM

Date

Signature of Inventor:

Kyoung-Soo PARK

Date

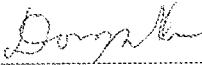
Signature of Inventor:

Sang-Wook BAE

Date

DOCKET NO.: 0201-1760
CLIENT REF.: P21311-US1/DMC
SAMSUNG REF.: MJ-201406-046-1-US1

Signature of Inventor:



Dong-Su HAN

10/26/2016

Date

Signature of Inventor:

Jae-Yeon SONG

Date

DOCKET NO.: 0201-1760
CLIENT REF.: P21311-US1/DMC
SAMSUNG REF.: MJ-201406-046-1-US1

Assignment

WHEREAS, the following inventors, namely 1) Kyung-Mo PARK, 2) Young-Wan SO, 3) Gi-Young NAM, 4) Kyoung-Soo PARK, 5) Sang-Wook BAE, 6) Dong-Su HAN, 7) Jae-Yeon SONG, all, citizen of china (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 MANAGING MULTIMEDIA DATA

for which a United States Patent Application is being filed concurrently herewith or, if not being concurrently filed, was filed on December 12, 2016, and assigned Serial No. 15/318,285; 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 and **KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY** a corporation duly organized under the laws of the Republic of Korea, located and doing business at 291, Daehak-ro, Yuseong-gu, Daejeon, 305-701, Republic of Korea (hereinafter called "Assignee"), are 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.: 0201-1760
CLIENT REF.: P21311-US1/DMC
SAMSUNG REF.: MJ-201406-046-1-US1

- 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.

DOCKET NO.: 0201-1760
CLIENT REF.: P21311-US1/DMC
SAMSUNG REF.: MJ-201406-046-1-US1

Signature of Inventor:

Kyung-Mo PARK

Date

Signature of Inventor:

Young-Wan SO

Date

Signature of Inventor:

남기영
Gi-Young NAM

2016/10/24
Date

Signature of Inventor:

박경수
Kyung-Soo PARK

2016/10/25
Date

Signature of Inventor:

백상우
Sang-Wook BAE

2016.10.25
Date


DOCKET NO.: 0201-1760
CLIENT REF.: F21311-US1/DMC
SAMSUNG REF.: MJ-201406-046-1-US1

Signature of Inventor:

Dong-Su HAN

Date

Signature of Inventor:



Jae-Yeon SONG

Oct. 29, 2016

Date