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103553321

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

1. Name of conveying party(ies):

Wook Bong LEE Bin Chul IHM
Dong Ku KIM Yohan KIM
Hyukjin CHAE
Janghoon YANG

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

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

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Agreement
☐ Other _____

Execution Date(s): March 3, 2009 & March 5, 2009

2. Name and address of receiving party(ies)

Name: LG ELECTRONICS INC.

Internal Address: _____

Street Address: 20 Yeouido-dong

Yeongdeungpo-gu

City: Seoul

State: _____

Country: Korea, Republic of

Zip: 150-721

Additional name(s) & address(es) attached: ☒ Yes ☐ No

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s):
_____, filed

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: MCKENNA LONG & ALDRIDGE LLP

Internal Address: Atty. Dkt.: 8737.120.00

Street Address:
1900 K STREET, N.W.

City: WASHINGTON State: DC Zip: 20006

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

- ☒ Enclosed
☒ Authorized to be charged to deposit account
☐ None required (government interest not affecting title)

8. Deposit account number:

50-0911

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael I. Angert, Registration No.: 46,522

Name of Person Signing, Reg. No.

Signature

March 10, 2009
Date

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

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04 FC:8021

40.00 OP

DC:50607864.1

2. Cont. Name and address of receiving party(ies)Name: Industry Academic Cooperation Foundation , Yonsei University

Internal Address: _____

Street
Address: Yonsei University134, Sinchon-dong, Seodaemun-gu,City: Seoul

State: _____

Country: Korea, Republic ofZip: 120-749

Additional name(s) & address(es) attached:

☐ Yes☒ No

Assignment of Application

WHEREAS, I (WE)	LEE, Wook Bong, KIM, Dong Ku, CHAE, Hyukjin		
	YANG, Janghoon, IHM, Bin Chul, KIM, Yohan		, respectively,
have invented certain new and useful improvements in:			
METHOD FOR TRANSMITTING DATA IN MULTIPLE ANTENNA SYSTEM			
for which an application for Letters Patent was executed on			

(Application No.		, Filed), and
WHEREAS,	LG ELECTRONICS INC.			
(hereinafter referred to as "ASSIGNEE") having a place of business at: 20, Yoouido-dong, Yeongdeungpo-gu, Seoul 150-721, Republic of Korea				
WHEREAS,	Industry-Academic Cooperation Foundation, Yonsei University			
(hereinafter referred to as "ASSIGNEE") having a place of business at: Yonsei University, 134, Sinchon-dong, Seodaemun-gu, Seoul 120-749 Republic of Korea				

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and

enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of McKenna Long & Aldridge LLP, Attorneys at Law, 1900 K Street, N.W., Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: _____	(Signature of Inventor) LEE, Wook Bong
Date: <u>March 5, 2009</u>	(Signature of Inventor) KIM, Dong Ku
Date: <u>Mar. 05, 2009</u>	(Signature of Inventor) CHAE, Hyukjin
Date: <u>Mar 5 2009</u>	(Signature of Inventor) YANG, Janghoon
Date: _____	(Signature of Inventor) IHM, Bin Chul
Date: <u>Mar. 5, 2009</u>	(Signature of Inventor) KIM, Yohan

McKenna Long & Aldridge LLP
Attorneys At Law
1900 K Street, N.W.
Washington, D.C. 20006

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Date:

05/03/2007

(Signature of Inventor)

LEE, Wook Bong

Date:

(Signature of Inventor)

KIM, Dong Ku

Date:

(Signature of Inventor)

CHAE, Hyukjin

Date:

(Signature of Inventor)

YANG, Janghoon

Date:

Mar 05, 2007

(Signature of Inventor)

IHM, Bin Chul

Date:

(Signature of Inventor)

KIM, Yohan

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