

PATENT ASSIGNMENT

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 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Suck Chel YANG	04/20/2011
Dong Ku KIM	04/29/2011
Jang Hoon YANG	04/29/2011
Hyuk Jin CHAE	04/29/2011
Hyung Tae KIM	04/20/2011
Yo Han KIM	04/29/2011

RECEIVING PARTY DATA

Name:	LG ELECTRONICS INC.
Street Address:	20 Yeouido-dong, Yeongdeungpo-gu
City:	Seoul
State/Country:	REPUBLIC OF KOREA
Postal Code:	150-721

Name:	INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY
Street Address:	Yonsei University 134 Sinchondong, Seodaemum-gu
City:	Seoul
State/Country:	REPUBLIC OF KOREA
Postal Code:	120-749

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13142729

CORRESPONDENCE DATA

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CH \$40.00 13142729

501582882

PATENT
REEL: 026531 FRAME: 0935

Correspondent Name:	Birch, Stewart, Kolasch & Birch, LLP
Address Line 1:	P.O. Box 747
Address Line 4:	Falls Church, VIRGINIA 22040-0747

ATTORNEY DOCKET NUMBER:	5438-0236PUS1
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NAME OF SUBMITTER:	Esther H. Chong
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Total Attachments: 4

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BIRCH, STEWART, KOLASCH & BIRCH, LLPUNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS**ASSIGNMENT**Application No. 13/142,729 Filed June 29, 2011

Insert Name(s) of Inventor(s) *** (Given Name FAMILY NAME (ALL CAPS)) ***

WHEREAS, YANG, Suck Chel; KIM, Dong Ku; YANG, Jang Hoon; CHAE, Hyuk Jin; KIM, Hyung Tac and KIM, Yo Han (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in:

Insert Title of Invention METHOD AND APPARATUS FOR DATA TRANSMISSION BASED ON MULTIPLE CELL COLLABORATION

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application)

Insert Date of Signing of Application on April 20, 2011; andInsert Name of Assignee WHEREAS, LG ELECTRONICS INC. of 20 Yeouido-dong Yeongdeungpo-gu Seoul 150-721
Insert Address of Assignee Republic of Korea and INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY of Yonsei University 134 Sinchondong, Seodaemun-gu, Seoul 120-749 Republic of Korea

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

CHECK BOX IF APPROPRIATE ☒ in any foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

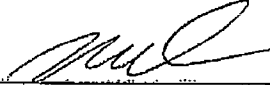
The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date April 20, 2011

Name of Inventor 

(signature) YANG, Suck Chel

Date _____

Name of Inventor _____

(signature) KIM, Dong Ku

Date _____

Name of Inventor _____

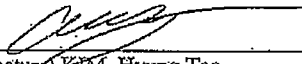
(signature) YANG, Jang Hoon

Date _____

Name of Inventor _____

(signature) CHAE, Hyuk Jin

Date April 20, 2011

Name of Inventor 

(signature) KIM, Hyung Tae

Date _____

Name of Inventor _____

(signature) KIM, Yo Han

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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ASSIGNMENT

Application No. 13/142,729 Filed June 29, 2011Insert Name(s)
of Inventor(s) ***** (Given Name FAMILY NAME (ALL CAPS)) *****

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Insert Title
of Invention **METHOD AND APPARATUS FOR DATA TRANSMISSION BASED ON MULTIPLE CELL COLLABORATION**

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Insert Date
of Signing of
Application on April 29, 2011; andInsert Name
of Assignee
Insert Address
of Assignee
WHEREAS, **LG ELECTRONICS INC.** of 20 Yeouido-dong Yeongdeungpo-gu Seoul 150-721 Republic of Korea and **INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY** of Yonsei University 134 Sinchondong, Seodaemun-gu, Seoul 120-749 Republic of Korea

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

CHECK BOX
IF APPROPRIATE ☒ **in any foreign countries.**

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

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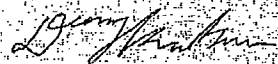

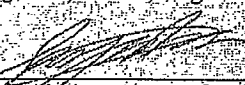
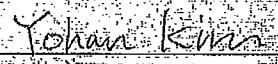
The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date _____	Name of Inventor _____ (signature) YANG, Suck Chel
Date <u>29 Apr. 2011</u>	Name of Inventor <u></u> (signature) KIM, Dong Ku
Date <u>29 Apr. 2011</u>	Name of Inventor <u></u> (signature) YANG, Jang Hoon
Date <u>29 Apr. 2011</u>	Name of Inventor <u></u> (signature) CHAE, Hyuk Jin
Date _____	Name of Inventor _____ (signature) KIM, Hyung Tae
Date <u>29 Apr. 2011</u>	Name of Inventor <u></u> (signature) KIM, Yo Han