

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jun Kui AHN</td> <td>07/19/2011</td> </tr> <tr> <td>Min Gyu KIM</td> <td>10/19/2011</td> </tr> <tr> <td>Suck Chel YANG</td> <td>07/19/2011</td> </tr> <tr> <td>Dong Youn SEO</td> <td>07/19/2011</td> </tr> <tr> <td>Jung Hoon LEE</td> <td>07/19/2011</td> </tr> </tbody> </table>		Name	Execution Date	Jun Kui AHN	07/19/2011	Min Gyu KIM	10/19/2011	Suck Chel YANG	07/19/2011	Dong Youn SEO	07/19/2011	Jung Hoon LEE	07/19/2011
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>LG ELECTRONICS INC.</td> </tr> <tr> <td>Street Address:</td> <td>20 Yeouido-dong, Yeongdeungpo-gu,</td> </tr> <tr> <td>City:</td> <td>Seoul</td> </tr> <tr> <td>State/Country:</td> <td>REPUBLIC OF KOREA</td> </tr> <tr> <td>Postal Code:</td> <td>150-721</td> </tr> </table>		Name:	LG ELECTRONICS INC.	Street Address:	20 Yeouido-dong, Yeongdeungpo-gu,	City:	Seoul	State/Country:	REPUBLIC OF KOREA	Postal Code:	150-721		
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CORRESPONDENCE DATA													
<p>Fax Number: (703)205-8050</p> <p>Phone: 7032058000</p> <p>Email: mailroom@bskb.com, mussie.beyene@bskb.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: BIRCH, STEWART, KOLASCH, & BIRCH, LLP.</p> <p>Address Line 1: P.O. BOX 747</p> <p>Address Line 4: Falls Church, VIRGINIA 22040-0747</p>													
ATTORNEY DOCKET NUMBER:	0465-3003PUS1												
NAME OF SUBMITTER:	Esther H. Chong												

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PATENT
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Total Attachments: 6

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BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application No. 13/255,822 Filed September 9, 2011

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

WHEREAS, AHN, Jun Kui, KIM, Min Gyu, YANG, Suck Chel, SEO, Dong Youn and LEE, Jung Hoon (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in:

Insert Title of Invention **METHOD AND APPARATUS FOR TRANSMITTING ACK/NACK**

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 July 19, 2011 and October 19, 2011; and

Insert Name of Assignee **WHEREAS, LG ELECTRONICS INC.**

Insert Address of Assignee of 20 Yeouido-dong, Yeongdeungpo-gu, Seoul 150-721, 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, for good and valuable consideration, the receipt of which is hereby acknowledged, 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.

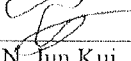


The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully 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	2011. 9. 19	Name of Inventor	 (signature) AHN, Jun Kui
Date		Name of Inventor	(signature) KIM, Min Gyu
Date	2011. 9. 19	Name of Inventor	 (signature) YANG, Suck Chel
Date	2011. 9. 19	Name of Inventor	 (signature) SEO, Dong Youn
Date		Name of Inventor	(signature) LEE, Jung Hoon
Date		Name of Inventor	(signature)

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the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and
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ATTORNEY DOCK
0465-3003PUS1

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Date <u>7/19/2011</u> ,	Name of Inventor _____ (signature) LEE, Jung Hoon
Date _____,	Name of Inventor _____ (signature)