

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Soon Yil KWON	05/26/2011
Han Byul SEO	05/26/2011
Byeong Geol CHEON	05/27/2011
Byoung Hoon KIM	05/26/2011
Ki Jun KIM	05/31/2011
Hak Seong KIM	05/26/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LG Electronics Inc.
<b>Street Address:</b>	20 Yeouido-dong, Yeongdeungpo-gu
<b>City:</b>	Seoul
<b>State/Country:</b>	REPUBLIC OF KOREA
<b>Postal Code:</b>	150-721
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13146617
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)205-8050
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	7032058000
<b>Email:</b>	mussie.beyene@bskb.com
<b>Correspondent Name:</b>	BIRCH, STEWART, KOLASCH, & BIRCH, LLP.
<b>Address Line 1:</b>	P.O. BOX 747
<b>Address Line 4:</b>	Falls Church, VIRGINIA 22040-0747
<b>ATTORNEY DOCKET NUMBER:</b>	0465-2966PUS1
<b>NAME OF SUBMITTER:</b>	Esther H. Chong

CH \$40.00 13146617

501609266

**PATENT**  
REEL: 026664 FRAME: 0427

**Total Attachments: 6**

source=2011-07-25 Assignment 0465-2966PUS1#page1.tif

source=2011-07-25 Assignment 0465-2966PUS1#page2.tif

source=2011-07-25 Assignment 0465-2966PUS1#page3.tif

source=2011-07-25 Assignment 0465-2966PUS1#page4.tif

source=2011-07-25 Assignment 0465-2966PUS1#page5.tif

source=2011-07-25 Assignment 0465-2966PUS1#page6.tif

ATTORNEY DOCKET NO.  
0465-2966PUS1

# BIRCH, STEWART, KOLASCH & BIRCH, LLP

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

## ASSIGNMENT

Application No. 13/146,617 Filed July 27, 2011

Insert Name(s)  
of Inventor(s)

\*\*\* (Given Name FAMILY NAME (ALL CAPS)) \*\*\*

WHEREAS, KWON, Soon Yil; SEO, Han Byul; CHEON, Byeong Geol; KIM, Byoung Hoon; KIM, Ki Jun and KIM, Hak Seong; (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in:

Insert Title  
of Invention

### METHOD FOR PERFORMING A HANDOFF BY A COMP SET

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 May 26, 2011, May 27, 2011, and May 31, 2011; and

Insert Name  
of Assignee  
Insert Address  
of Assignee

WHEREAS, LG ELECTRONICS, INC.

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, 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.

**Attorney Docket No.**

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.

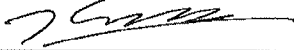
The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully 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 <u>5/26/2011</u> ,	Name of Inventor <u></u> (signature) KWON, Soon Yil
Date _____,	Name of Inventor _____ (signature) SEO, Han Byul
Date _____,	Name of Inventor _____ (signature) CHEON, Byoung Geol
Date _____,	Name of Inventor _____ (signature) KIM, Byoung Hoon
Date _____,	Name of Inventor _____ (signature) KIM, Ki Jun
Date _____,	Name of Inventor _____ (signature) KIM, Hak Seong

ATTORNEY DOCKET NO.  
0465-2966PUS1

# BIRCH, STEWART, KOLASCH & BIRCH, LLP

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

## ASSIGNMENT

Application No. 13/146,617 Filed July 27, 2011

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

WHEREAS, KWON, Soon Yil; SEO, Han Byul; CHEON, Byeong Geol; KIM, Byoung Hoon; KIM, Ki Jun and KIM, Hak Seong; (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in:

Insert Title of Invention **METHOD FOR PERFORMING A HANDOFF BY A COMP SET**

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 May 26, 2011, May 27, 2011, and May 31, 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, 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.

**Attorney Docket No.**

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 \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature) KWON, Soon Yil

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature) SEO, Han Byul

Date 5. 27. 2011, Name of Inventor *Cheon Byeong-geol*  
(signature) CHEON, Byeong Geol

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature) KIM, Byoung Hoon

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature) KIM, Ki Jun

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature) KIM, Hak Seong

ATTORNEY DOCKET NO.  
0465-2966PUS1

# BIRCH, STEWART, KOLASCH & BIRCH, LLP

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

## ASSIGNMENT

Application No. 13/146,617 Filed July 27, 2011

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

WHEREAS, KWON, Soon Yil; SEO, Han Byul; CHEON, Byeong Geol; KIM, Byoung Hoon; KIM, Ki Jun and KIM, Hak Seong; (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in:

Insert Title of Invention

### METHOD FOR PERFORMING A HANDOFF BY A COMP SET

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 May 26, 2011, May 27, 2011, and May 31, 2011; and

Insert Name of Assignee  
Insert Address of Assignee

WHEREAS, LG ELECTRONICS, INC.

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, 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.

## Attorney Docket No.

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 _____,	Name of Inventor _____ (signature) KWON, Soon Yil
Date <u>05/26/2011</u> ,	Name of Inventor <u>Han Byul Seo</u> (signature) SEO, Han Byul
Date _____,	Name of Inventor _____ (signature) CHEON, Byeong Geol
Date <u>05/26/2011</u> ,	Name of Inventor <u>Kim, Byoung Hoon</u> (signature) KIM, Byoung Hoon
Date <u>05/31/2011</u> ,	Name of Inventor <u>Kim, Ki Jun</u> (signature) KIM, Ki Jun
Date <u>05/26/2011</u> ,	Name of Inventor <u>KIM, Hak Seong</u> (signature) KIM, Hak Seong