### 502440811 07/31/2013

### PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Hyeongseok ROH	07/23/2013
Taeyoung JEON	07/12/2013
Rajaram M	07/23/2013
Sungchae NA	07/16/2013

### **RECEIVING PARTY DATA**

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

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	13947318

### **CORRESPONDENCE DATA**

Fax Number: 7032058050

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 7032058000

Email: mailroom@bskb.com, mussie.beyene@bskb.com
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:	1630-1171PUS1
NAME OF SUBMITTER:	Mussie B. Beyene
Signature:	/Mussie B. Beyene/
	PATENT

REEL: 030914 FRAME: 0040

OP \$40.00 13947318

502440811

Date:	07/31/2013
Total Attachments: 9 source=2013-07-24 - DecAssign - 1630-117	1PUS1#page2.tif 1PUS1#page3.tif 1PUS1#page4.tif 1PUS1#page5.tif 1PUS1#page6.tif 1PUS1#page7.tif
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PATENT REEL: 030914 FRAME: 0041

Attorney Docket No. 1630-1171PUS1

Application No.: 13/947,318

## BIRCH, STEWART, KOLASCH & BIRCH, LLP Filed on: July 22, 2013

## **DECLARATION AND ASSIGNMENT** FOR PATENT AND DESIGN APPLICATIONS

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

Title of Invention	₽	MOBILE TERMINAL AND METHOD FOR CONTROLLING OF THE SAME
		As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:
		This declaration is directed to the application attached hereto.
Application not Attached	⇔	If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:
Enter Appln. No.	⇔	United States Application Number or PCT International Appln. No.
Enter Filing Date	⇔	filed on
		The above-identified application was made or authorized to be made by me.
		I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
		I have reviewed and understand the contents of the above-identified application, including the claims.
		I acknowledge the duty to disclose information which is material to patentability as defined in Title $37$ , Code of Federal Regulations $\S$ 1.56.
		WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.
Insert Name of Assignee	⇔	WHEREAS, LG ELECTRONICS INC.
Insert Address of Assignee	⇔	of 20, Yeouido-dong, Yeongdeungpo-gu, Seoul 150-721, Republic of Korea,
Ü		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 sold, assigned and transferred, and by these presents does (do) 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.

Page 1

BSKB-DECASSIGN(09-12)

The undersigned agrees 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 agrees 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 Letters 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 agrees 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 agrees 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 authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) 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 the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

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

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

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

#### LEGAL NAME OF INVENTOR

Inventor's Name	Hyeongseok ROH	Date: July 23, 2013
Inventor's Signature ⇒ Signature:		
	O/SB/14 or equivalent), including naming the entire inventive inventor; or check the box below and complete the attached page	
Additional inventors are b	being named on the $\underline{1}$ supplemental sheet(s) attached hereto.	

Page 2

BSKB-DECASSIGN-SINGLE (09-12)

# SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

## ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name	→ Inventor: Taeyoung JEON	Date:
Inventor's Signature	Signature:	THE OWNER OF THE PROPERTY OF T
	LEGAL NAME OF JOINT INVENTOR, IF ANY	
Inventor's Name	→ Inventor: Rajaram M	Date: 23/07/2013
Inventor's Signature	8	
	LEGAL NAME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇔Inventor: Sungchae NA	Date:
Inventor's Signature	⇔Signature:	
	LEGAL NAME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒Inventor:	Date:
Inventor's Signature	⇒Signature:	
	LEGAL NAME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒Inventor:	Date:
Inventor's Signature	⇒Signature:	
	LEGAL NAME OF JOINT INVENTOR, IF ANY	
Inventor's Name	<sup>c)</sup> Inventor:	Date:
Inventor's Signature	⇒Signature:	
	LEGAL NAME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒Inventor:	Date:
Inventor's Signature		
	LEGAL NAME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒Inventor:	Date:
Inventor's Signature	⇒Signature:	

BSKB-DECASSIGN\(09-12)

PATENT REEL: 030914 FRAME: 0044

Application No.: 13/947,318 Filed on: July 22, 2013

## BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 • Facsimile: (703) 205-8050 • Email: mailroom@bskb.com

## **DECLARATION AND ASSIGNMENT** FOR PATENT AND DESIGN APPLICATIONS

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

Title of Invention → MOBILE TERMINAL AND METHOD FOR CONTROLLING OF THE SAME

		As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:
		This declaration is directed to the application attached hereto.
Application not Attached	⇔	If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:
Enter Appln. No.	⇔	United States Application Number or PCT International Appln. No.
Enter Filing Date	⇔	filed on .
		The above-identified application was made or authorized to be made by me.
		I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
		I have reviewed and understand the contents of the above-identified application, including the claims.
		I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations $\S$ 1.56.
		WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.
nsert Name of Assignee	⇔	WHEREAS, LG ELECTRONICS INC.
nsert Address of Assignee	⇔	of 20, Yeouido-dong, Yeongdeungpo-gu , Seoul 150-721, Republic of Korea,
Ü		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 sold, assigned and transferred, and by these presents does (do) 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.

Page 1

BSKB-DECASSIGN(09-12)

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The undersigned agrees 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 agrees 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 authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) 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 the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

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

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

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

#### LEGAL NAME OF INVENTOR

Inventor's Name	⇒ Inventor:	Hyeongseok ROH	Date:	VANIE II
Inventor's Signatur	<sup>e ⇒</sup> Signature:			
* *	`	O/SB/14 or equivalent), including naming nventor; or check the box below and compl	, , , , , , , , , , , , , , , , , , , ,	1 2
Additiona 🛚	l inventors are b	peing named on the <u>1</u> supplemental sheet(s)	) attached hereto.	

Page 2

BSKB-DECASSIGN-SINGLE (09-12)

## SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

## ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

LEGAL NAME OF JOINT INVENTOR, IF ANY ⇒ Inventor: Taeyoung JEON Inventor's Signature ⇒ Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name 

Inventor: Rajaram M Date: Inventor's Signature ⇒ Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name Finventor: Sungchae NA Date: Inventor's Signature Signature: \_\_\_ LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name Date: ⇔Inventor: Inventor's Signature ⇒Signature: LEGAL NAME OF IOINT INVENTOR, IF ANY Inventor's Name ⇒Inventor: Date: Inventor's Signature ⇒Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name ⇒Inventor: Inventor's Signature ⇒Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name ⇔Inventor: Date: Inventor's Signature Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name Date:

ESKB-DECASSIGN\(09-12)

PATENT REEL: 030914 FRAME: 0047

Application No.: 13/947,318 Filed on: July 22, 2013

BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747 Telephone: (703) 205-8000 • Facsimile: (703) 205-8050 • Email: mailroom@bskb.com

### **DECLARATION AND ASSIGNMENT** FOR PATENT AND DESIGN APPLICATIONS

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THE OF INVESTION	•	MODILE TERMINAL AND METHOD FOR CONTROLLING OF THE SAME
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Enter Filing Date	₽	filed on
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		I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
		I have reviewed and understand the contents of the above-identified application, including the claims.
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Insert Name of Assignee	⇔	WHEREAS, LG ELECTRONICS INC.
Insert Address of Assignee	⇔	of 20, Yeouido-dong, Yeongdeungpo-gu , Seoul 150-721, Republic of Korea,
Ü		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 sold, assigned and transferred, and by these presents does (do) 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.

Page 1

BSKB-DECASSIGN(09-12)

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

#### LEGAL NAME OF INVENTOR

Inventor's Name	Ð	Inventor:	Hyeongseok ROH	Date:
Inventor's Signature	⇒	Signature:		
An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use a separate form for each inventor; or check the box below and complete the attached page(s) to list additional inventors.				
$igtie$ Additional inventors are being named on the $\underline{1}$ supplemental sheet(s) attached hereto.				

Page 2

BSKB-DECASSIGN-SINGLE (09-12)

## SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

## ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

## LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name Inventor: Taeyoung JEON Inventor's Signature ⇒ Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Inventor's Name Inventor: Rajaram M Date: Inventor's Signature ⇒ Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Date: Jul 16th, 20/3 Inventor's Name ⇒Inventor: Sungchae NA Inventor's Signature ⇒Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY PInventor: Date: Inventor's Signature ⇒Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY Date: Inventor's Name Inventor's Signature ⇒Signature: \_ LEGAL NAME OF JOINT INVENTOR, IF ANY Date: Inventor's Name ⇒Inventor: Inventor's Signature ⇒Signature: \_\_ LEGAL NAME OF JOINT INVENTOR, IF ANY \_\_\_\_\_ Date: \_\_\_\_\_\_ ⇔Inventor: Inventor's Signature ⇔Signature: LEGAL NAME OF JOINT INVENTOR, IF ANY ⇒Inventor: Date: Inventor's Signature ⇒Signature:

BSKB-DECASSIGN\(09-12)

PATENT REEL: 030914 FRAME: 0050

**RECORDED: 07/31/2013**