503079935 12/01/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3126539

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOONSEOK YANG	10/01/2014
JINYONG CHOI	10/23/2014
JUNGHO BAEK	10/15/2014
YOONHEE KIM	10/01/2014
HYEMI JUNG	10/01/2014
YUNJUENG MHUN	10/01/2014

RECEIVING PARTY DATA

Name:	LG ELECTRONICS INC.
Street Address:	128, YEOUI-DAERO, YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	150-721

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14526019	

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 7032058000

Email: alexandra.lynard@bskb.com

Correspondent Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP

Address Line 1: 8110 GATEHOUSE ROAD

Address Line 2: SUITE 100 EAST

Address Line 4: FALLS CHURCH, VIRGINIA 22042

ATTORNEY DOCKET NUMBER:	0465-4563PUS1
NAME OF SUBMITTER:	ALEXANDRA LYNARD
SIGNATURE:	/ALEXANDRA LYNARD/
DATE SIGNED:	12/01/2014

Total Attachments: 12

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PATENT

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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 CONTROLLING METHOD THEREOF				
	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. 14/526,019				
Enter Filing Date	⇒ filed on October 28, 2014				
	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 § 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 128, Yeoui-daero, 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 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.

> BSKB-DECASSIGN(09-12) **PATENT** REEL: 034285 FRAME: 0428

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 Assignce 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 bereby 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 nor more than five (5) years, or both.

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

LEGAL.	NAME	OWN	MUGN	Tiran

towentor's Name = Inventor:	Younseak YANG	Da	ne: :014 × 10 × 1
Inventor's Signature: 9 Signature:	_ cofm		
An application data sheet (PTC Use a separate form for each in	D/SB/14 or equivalent), including nativentor; or check the box below and c	ning the entire inventive en omplete the attached page(s	itity, must accompany this form.

igotimes $igoreal{Additional}$ inventors are being named on the 1 supplemental sheet attached hereto.

ADDITIONAL INVENTORS Supplemental Sheet Page 1 of 1

LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name	⇒ Inventor:	Jinyong CHOI	Date:
Inventor's Signature	⇒ Signature:		
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒ Inventor:	Jungho BAEK	Date:
Inventor's Signature	⇒ Signature:		- A A A CONTRACTOR OF THE CONT
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒Inventor:	Yoonhee KIM	Date:
Inventor's Signature	⇒Signature:		
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒Inventor:	Hyemi JUNG	Date:
Inventor's Signature	⇒Signature:		
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒Inventor:	Yunjueng MHUN	Date:
Inventor's Signature	⇒Signature:		
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒Inventor:		Date:
Inventor's Signature	⇒Signature:		
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒Inventor:		Date:
Inventor's Signature	⇒Signature:		
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒Inventor:		Date:
Inventor's Signature	⇒Signature:		

BSKB-DECASSIGN\(09-12)

PATENT BSKB-DECASSIN REEL: 034285 FRAME: 0430

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 CONTROLLING METHOD THEREOF
	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. 14/526,019
Enter Filing Date	⇒ filed on October 28, 2014
	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 § 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 128, Yeoui-daero, 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 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

BSKB-DECASSIGN(09-12) **PATENT**

REEL: 034285 FRAME: 0431

terms for which the same may be granted.

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 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.

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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	: Yoonseok YANG	Date:	
Inventor's Signature	⇒ Signatur	e:		
Use a separate	form for eac		ming the entire inventive entity, must accomplete the attached page(s) to list additionable that the control of	

PATENT - DECASSIGN-SINGLE (09-12)

ADDITIONAL INVENTORS Supplemental Sheet Page 1 of 1

	LEGAL N	AME OF JOINT INVENTOR, IF ANY			
Inventor's Name	⇒ Inventor:	Jinyong CHOI	Date:	October 23,	2014
Inventor's Signatum	◆ Signature:				· · · · · · · · · · · · · · · · · · ·
	LEGAL N	AME OF JOINT INVENTOR, IF ANY			
Inventor's Name	→ Inventor;	Jungho BAEK	Date;	the state of the second st	
Inventor's Signature	ও Signature:				
	LEGALN	AME OF JOINT INVENTOR, IF ANY			
Inventor's Name	⇔Inventor:	Yoonhee KIM	Date:		
Inventor's Signature	⇔Signature:				
	LEGAL N	AME OF JOINT INVENTOR, IF ANY			
inventor's Name	SInventor:	Hyemi JUNG	Date:		
inventor's Signature	Signature:				
	LEGAL N	AME OF JOINT INVENTOR, IF ANY			
inventor's Name	⇔lnventor:	Yunjueng MHUN	Date:		
inventor's Signature	⇒Signature:				
	LEGAL N	AME OF JOINT INVENTOR, IF ANY			
investor's Name	⇔Inventor:		Date: _		
inventor's Signature	⇔Signature:				
	LEGAL N	AME OF JOINT INVENTOR, IF ANY			
inventor's Name	"Inventor:	.	Date: _		·
inventor's Signature	⇒Signature:				
	LEGAL N	AME OF JOINT INVENTOR, IF ANY			
inventor's Name	Sinventor:		Date: _		
inventor's Signature	⇔Signature:				

BSKB-DECASSIGN\(09-12)

PATENT REEL: 034285 FRAME: 0433

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 CONTROLLING METHOD THEREOF		
	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 set forth above and/or the following:		
Enter Appln. No.	⇒ United States Application Number or PCT International Appln. No14/526,019		
Enter Filing Date	⇒ filed onOctober 28, 2014		
	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 th 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 § 1.56.		
	WHEREAS, the undersigned has invented certain new and useful improvements described in thapplication identified.		
Insert Name of Assignee	⇒ WHEREAS, LG ELECTRONICS INC.		
Insert Address of Assignee	⇒ of 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 150-721, Republic of Korea		
	its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirou 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. Assigned the full and exclusive right to the said invention in the United States of		

d 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.

> **PATENT** REEL: 034285 FRAME: 0434

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.

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

Inventor's Name	⇔	Inventor:	Yoonseok YANG	 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.

Additional inventors are being named on the 1 supplemental sheet attached hereto.

LEGAL NAME OF INVENTOR

PATENT BSKB-DECASSIGN-SINGLE (09-12)

ADDITIONAL INVENTORS Supplemental Sheet Page 1 of 1

LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name	≈ Inventor:	Jinyong CHOI	Date:
Inventor's Signature	⇒ Signature:		
	LEGALN	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒ Inventor:	Jungho BAEK	Date: Oct 15 wolf
Inventor's Signature	⇔ Signature:	_03282	
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	○Inventor:	Yoonhee KIM	Date:
Inventor's Signature	⇔Signature;		
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	OInventor:	Hyemi JUNG	Date:
Inventor's Signature	⇒Signature:		
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒Inventor;	Yunjueng MHUN	Date:
Inventor's Signature	⇔Signature:		
	LEGAL N.	ame of joint inventor, if any	
Inventor's Name	~Inventor.	THE PARTY OF THE P	Date:
Inventor's Signature	⇔Signature:		
	LEGAL N	ame of joint inventor, if any	
Inventor's Name	Sinventor:		Date:
Inventor's Signature	⇔Signature:		
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	Sinventor:		Date:
Inventor's Signature	⇔Signature:		

BSK8-DECASSIGN\(09-12)

PATENT REEL: 034285 FRAME: 0436

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 CONTROLLING METHOD THEREOF			
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Insert Name of Assignee	⇒ WHEREAS, LG ELECTRONICS INC.			
Insert Address of Assignee	⇒ of 128, Yeoui-daero, 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.			

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> BSKB-DECASSIGN(09-12) **PATENT** REEL: 034285 FRAME: 0437

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

Additional inventors are being named on the 1 supplemental sheet attached hereto.

		LEGAL N.	AME OF INVENTOR	,
Inventor's Name	₽	Inventor:	Yoonseok YANG	Date:
Inventor's Signatur	e ⇒	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.				

PATENT BSKB-DECASSIGN-SINGLE (09-12)

ADDITIONAL INVENTORS Supplemental Sheet Page 1 of 1

LE	GAL NAME OF JOINT INVENTOR, IF ANY	
laventor's Name (2) Inv	entor: [inyong CHO]	Date:
forenior's Signature +5 Sign	and a	
LEG	SAL NAME OF JOINT INVENTOR, IF ANY	
	entor: Jungbo BAEK	Date:
invenur's Signature 😇 Sign	aa fu rar	
LEC	TAL NAME OF JOINT INVENTOR, IP ANY	
Inventor's Name Salave		Date: 20 (f 10 . 1
inventary signature - PSign	nture:	
	AL NAME OF JOINT INVENTOR, IF ANY	
Insentor's Name Shwor	ntor: Hyemi JUNG	Date: 7014.10, [
lacentor's Signature - Signa	242	
LEG.	AL NAME OF JOINT INVENTOR, IF ANY	
Investor's Name 32 Inven	tor: Yunjueng MHUN	Date: 2014, [6,]
herotor's Reputate - Signal	E 4.3	
LEG/	AL NAME OF JOINT INVENTOR, IF ANY	
lesentor's Name *Invent	OF:	Date
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LEGA	L NAME OF JOINT INVENTOR, IF ANY	
Inventor's Name ** Inventor	31°,	Date:
inventor's Signature ≃Signatu		
LEGĂI	NAME OF JOINT INVENTOR, IF ANY	
Inventor's Name	jr.	Date:
Inventor's Signature - 55 ignatur	TLT:	2004.1

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PATENT REEL: 034285 FRAME: 0439

RECORDED: 12/01/2014