## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Sung-Duck CHUN	12/11/2008
Young-Dae LEE	12/10/2008
Myung-Cheul JUNG	12/12/2008
Sung-Jun PARK	12/11/2008

#### **RECEIVING PARTY DATA**

Name:	LG Electronics Inc.
Street Address:	20, Yoido-Dong, Yongdungpo-Gu
City:	Seoul
State/Country:	REPUBLIC OF KOREA

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12307171

#### **CORRESPONDENCE DATA**

Fax Number: (703)205-8050

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Phone: 703-205-8000
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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:	0630-3651PUS1
NAME OF SUBMITTER:	Esther H. Chong

Total Attachments: 6

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PATENT REEL: 022208 FRAME: 0409

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> PATENT REEL: 022208 FRAME: 0410

# BIRCH, STEWART, KOLASCH & BIRCH, LLP

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

## **ASSIGNMENT**

Application No.	12/307,171	Filed	12/31/08	
Insert Name(s) of Inventor(s)	***(Given Name FAMI	LY NAME (ALL CAPS)	)***	
o, 1111011111 (0)	WHEREAS, Sung-Duck CHUN; Young-designated as the undersigned) has (have)			ter
Insert Title	OPTIMIZED AM RLC RE-SET MECH	ANISM		
	for which an application for Letters Pate undersigned (except in the case of a provi		es of America has been executed by t	he
Insert Date of Signing of Application	on <u>December 10, 2</u>	008	and	
Insert Name of Assignee	WHEREAS, LG Electronics Inc.			
Insert Address of Assignee	of 20, Yoido-Dong, Yongdungpo-Gu, Sec	oul, Republic of Korea	i.	
CHECK BOX	its heirs, successors, legal representatives of acquiring the entire right, title and inte that may be granted therefor in the United in any foreign countries.	rest in and to said inve	ention and in and to any Letters Patent	
IF APPROPRIATE		e d	Lung (thin 00) is all and desired the	
	NOW, THEREFORE, in consideration of paid, the receipt of which is hereby act undersigned has (have) sold, assigned and unto said Assignee the full and exclusive territories, dependencies and possessions a Patent(s) which may be granted therefor in possessions, and if the box above is designed.	cnowledged, and othe transferred, and by the right to the said inven and the entire right, title the United States of A	er good and valuable consideration, to ese presents does sell, assign and trans- ution in the United States of America, to and interest in and to any and all Lette America, its territories, dependencies a	the fer its ers
	and to any and all divisions, reissues, con or terms for which the same may be grant	•	s and extensions thereof for the full te	rm

Allomes Docker 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 Assigned and to vest all rights therein hereby conveyed to said Assignee as failly and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned heroby 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 Frademark 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 wilness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	1		Name of Inventor	(signature) Sung-Duck CHUN
Date 10/12/2008	<b>-</b> ,		Name of Inventor	(signature) Young-Due LEE
Date	٠.		Name of Inventor	(signature) Myung-Cheul JUNG
Date	ے.		Name of Inventor	(signature) Sung-Jun PARK
Dato	n.t	•	Name of Inventor	(signaturė)
Date	_1.		Name of Inventor	

Page 2 of 1

Birch, Stewart, Kolasch & Birch, LLP

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ATTORNEY DOCKET NO.

# BIRCH, STEWART, KOLASCH & BIRCH, LLP

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

## ASSIGNMENT

Application No.	12/307,171	Filed	12/31/08					
Insert Name(s) of Inventor(s)	***(Given Name FAMIL)	y name (all cap	S))***					
or investor(s)	WHEREAS, Sung-Duck CHUN; Young-D designated as the undersigned) has (have) in	ae LEE; Myung-C ivented certain net	heul JUNG; Sung-Jun PARK (hereinafter v and useful improvements in:					
Insert Title	OPTIMIZED AM RLC RE-SET MECHA	NISM						
or tureumon	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	on December 11,	2008	and					
Application Insert Name of Assignee	WHEREAS, LG Electronics Inc.							
Insert Address of Assignee	of 20, Yoido-Dong, Yongdungpo-Gu, Seou	l, Republic of Kore	<b>≈a</b>					
CHECK BOX IF APPROPRIATE	its heirs, successors, legal representatives an of acquiring the entire right, title and interest that may be granted therefor in the United S  in any foreign countries.	st in and to said inv	vention and in and to any Letters Patent(s)					
a raykorkini z	NOW, THEREFORE, in consideration of the paid, the receipt of which is hereby acknowledged, the receipt of which is hereby acknowledged and the said Assigned and the retritories, dependencies and possessions and Pafent(s) which may be granted therefor in the possessions, and if the box above is designated.	owledged, and oth ansferred, and by the ght to the said inve d the entire right, tith he United States of	ner good and valuable consideration, the bese presents does sell, assign and transferention in the United States of America, its the and interest in and to any and all Letters America, its territories, dependencies and					
	and to any and all divisions, reissues, contin or terms for which the same may be granted		ns and extensions thereof for the full term					

Page 1 of 1

JTE/CDW/jg

# Attorney Docket No. 0630-3651PUS1

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 ocem 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.

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

Date	11/12/2008		Name of Inventor	<u> </u>	
. •				(signature) Sung-Duck CHUN	
Date			Name of Inventor		
	· <u>·</u>			(signature) Young-Dae LEE	*
Date		<b></b> ,	Name of Inventor	( LEDIC	
Date	11/12 (2018		Name of Inventor	(signature) Myung-Cheul JUNG	
			for	(signature) Sung/Jun PARK	,
Date			Name of Inventor	(signature)	
Date		· · ·	Name of Inventor		
				•	

Page 2 of 1

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UNITED STATES PATENT RIGHTS, OR
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Insert Name(s) of Inventor(s)	***(Given Name I	FAMILY NAME (ALL CAPS))	***	
ov urventar (a)	WHEREAS, Sung-Duck CHUN; Yo designated as the undersigned) has (I			inafte
Insert Title	OPTIMIZED AM RLC RE-SET M	ECHANISM		
an tantanan	for which an application for Letters undersigned (except in the case of a page 1).		s of America has been executed	by the
Insert Date of Signing of	on December 12,	2008	and	
Application Insert Name of Assignee	WHEREAS, LG Electronics Inc.		•	•
Insert Address of Assignee	of 20, Yoido-Dong, Yongdungpo-Gu	, Seoul, Republic of Korea		
СНЕСК ВОХ	its heirs, successors, legal representat of acquiring the entire right, title and that may be granted therefor in the Utiliany foreign countries.	interest in and to said inver	ntion and in and to any Letters Par	
IF APPROPRIATE	NOW, THEREFORE, in consideration paid, the receipt of which is hereby undersigned has (have) sold, assigned unto said Assignee the full and exclusterritories, dependencies and possession Patent(s) which may be granted thereby possessions, and if the box above is described.	acknowledged, and other and transferred, and by the sive right to the said invent ons and the entire right, title for in the United States of A	good and valuable considerations presents does sell, assign and train in the United States of Americand interest in and to any and all I merica, its territories, dependencies.	on, the ransfer ica, its Letters
	and to any and all divisions, reissues, or terms for which the same may be g	continuations, conversions ranted.	and extensions thereof for the ful	l term

Page 1 of 1

Birch, Stewart, Kolasch & Birch, LLP

JTE/CDW/jg

Attorney Docket No. 0630-3651PUS1

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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) Sung-Duck CHUN	***************************************	· · · · · · · · · · · · · · · · · · ·
Date	* H		Name of Inventor	(signature) Young-Dae LEE		
Date	Dec 12: 200	28	Name of Inventor	Sunfaire, Myung-Choul JUNG		
Date			Name of Inventor			
		• .		(signature) Sung-Jun PARK .	,	
Date			Name of Inventor			,
				(signature)		•
Date _			Name of Inventor		· · · · · · · · · · · · · · · · · · ·	····
	_					

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Page 2 of 1

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PATENT REEL: 022208 FRAME: 0416

**RECORDED: 02/05/2009**