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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hyoyoung HAN	03/17/2011
Jungjae YUN	03/17/2011
Jungeun SONG	03/17/2011
Hansu KIM	03/17/2011

RECEIVING PARTY DATA

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Street Address:	20 Yeouido-dong, Yeongdeungpo-gu
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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13085223	

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Total Attachments: 2

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PATENT

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ASSIGNMENT

Application No.		13/085,223	Filed	April 12, 2011
Insert Name(s) of Inventor(s)		***(Given Name FAMIL	Y NAME (ALL CAPS))	***
	WHE as the	REAS, Hyoyoung HAN, Jungj undersigned) has (have) invento	jae YUN, Jungeur ed certain new and	n SONG and Hansu KIM (hereinafter designated useful improvements in:
Insert Title of Invention		MINAL AND CONTENTS SH		
	for whunders	nich an application for Letters signed (except in the case of a pr	Patent of the Uni	ted States of America has been executed by the ion)
Insert Date of Signing of Application	On	March 17	7, 2011	; and
Insert Name of Assignee	WHER	REAS, LG ELECTRONICS IN	IC.	
Insert Address of Assignee	of 20 Y	Teouido-dong, Yeongdeungpo-	gu, Seoul Republ	ic of Korea
CHECK BOX F APPROPRIATE	its heir of acqu that ma	s, successors, legal representative	ves and assigns (he	ereinafter designated as the Assignee) is desirous
	transfer America and all depende any and	unto said Assignee the full as a, its territories, dependencies as Letters Patent(s) which may be encies and possessions, and if the	nd exclusive right nd possessions and granted therefor e box above is des	on, the receipt of which is hereby acknowledged, ed, and by these presents does sell, assign and to the said invention in the United States of the entire right, title and interest in and to any in the United States of America, its territories, ignated, in any and all foreign countries; and to any and extensions thereof for the full term or

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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 Assignce, 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 3.19	,	Name of Inventor Hul	Name of Inventor	
Date	7011317	,	(signature) Hyoyoung HAN Name of Inventor (signature) Jungjae YUN	· -	
Date	7013.17	,	Name of Inventor (signature) Jungae FON (signature) Jungeun SONG	Name of Inventor	
Date	2011 7. 17	,	Name of Inventor (signature) Hansu KIM	Name of Inventor	

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