

# PATENT ASSIGNMENT

Electronic Version v1.1

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Laio KANG</td> <td>07/21/2010</td> </tr> <tr> <td>Taegyun LEE</td> <td>07/21/2010</td> </tr> <tr> <td>Aram MOON</td> <td>07/21/2010</td> </tr> </tbody> </table>		Name	Execution Date	Laio KANG	07/21/2010	Taegyun LEE	07/21/2010	Aram MOON	07/21/2010
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>LG Electronics Inc.</td> </tr> <tr> <td><b>Street Address:</b></td> <td>20 Yeouido-dong, Yeongdeungpo-gu</td> </tr> <tr> <td><b>City:</b></td> <td>Seoul</td> </tr> <tr> <td><b>State/Country:</b></td> <td>REPUBLIC OF KOREA</td> </tr> </table>		<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>Name:</b>	LG Electronics Inc.								
<b>Street Address:</b>	20 Yeouido-dong, Yeongdeungpo-gu								
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<b>PROPERTY NUMBERS Total: 1</b>									
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<b>Application Number:</b>	12857913								
<b>CORRESPONDENCE DATA</b>									
<p>Fax Number: (202)739-3001</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: patents@morganlewis.com</p> <p>Correspondent Name: Robert J. Gaybrick</p> <p>Address Line 1: 1111 Pennsylvania Ave, NW</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20004</p>									
<b>ATTORNEY DOCKET NUMBER:</b>	001401-5004								
<b>NAME OF SUBMITTER:</b>	Robert J. Goodell								
<p>Total Attachments: 2</p> <p>source=001401-5004_Assignment_08172010#page1.tif</p> <p>source=001401-5004_Assignment_08172010#page2.tif</p>									

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**PATENT**  
**REEL: 024847 FRAME: 0563**

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

**MODULE FOR EXPANDING FUNCTION OF MOBILE  
DEVICE AND MOBILE DEVICE HAVING THE SAME**

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on \_\_\_\_, (Application No. \_\_\_\_); and

WHEREAS, LG Electronics Inc., a corporation of Republic of Korea, whose post-office address is 20 Yeouido-dong, Yeongdeungpo-gu, Seoul, Korea, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to issue upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parenthesis (Application No. 12/857,913, filed August 17, 2010) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

Full Name of Sole or First Assignor Laio KANG	Assignor's Signature <i>Laio Kang</i>	Date July 21, 2010
Address Weve Haneulchae Apt. 107-502, 743, Hwaseo 2-Dong Paldal-Gu, Suwon, Gyeonggi-Do, Korea		Citizenship Republic of Korea
Full Name of Second Assignor Taegyun LEE	Assignor's Signature <i>Taegyun Lee</i>	Date July 21, 2010
Address Shinsung Misoziium Apt. 103-1503, 1274, Guro-Dong Guro-Gu, Seoul, Korea		Citizenship Republic of Korea
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Full Name of Third Assignor Aram MOON	Assignor's Signature 문아람	Date July. 21. 2010
Address 401, 4th Floor, 1493-47, Gwangang 2-Dong... Dongan-Gu, Gyeonggi-Do, Korea		Citizenship ..... Republic of Korea
Full Name of Fourth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Fifth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Sixth Assignor	Assignor's Signature	Date
Address		Citizenship
Address		Citizenship
Full Name of Eighth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Ninth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Tenth Assignor	Assignor's Signature	Date
Address		Citizenship
Full Name of Eleventh Assignor	Assignor's Signature	Date
Address		Citizenship
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		