

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Chang-Hwan KIM	03/07/2011
Min-Hyouk LEE	03/07/2011
Chang-Hwan HWANG	03/04/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Samsung Electronics Co., Ltd.
<b>Street Address:</b>	416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742
<b>City:</b>	Suwon-si
<b>State/Country:</b>	REPUBLIC OF KOREA
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	29387107
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)315-3758
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	202-429-0020
<b>Email:</b>	info@nsiplaw.com
<b>Correspondent Name:</b>	North Star Intellectual Property Law, PC
<b>Address Line 1:</b>	P.O. Box 34688
<b>Address Line 4:</b>	Washington, DISTRICT OF COLUMBIA 20043
<b>ATTORNEY DOCKET NUMBER:</b>	9100.D120
<b>NAME OF SUBMITTER:</b>	Charles Y. Park
<b>Total Attachments: 2</b> source=9100D120Assignment#page1.tif source=9100D120Assignment#page2.tif	

OP \$40.00 29387107

## ASSIGNMENT

For valuable consideration, we,

Chang-Hwan KIM	309-504, Dangdokmaeul World Meridian APT., Poongmoo-Dong, Kimpo-Si, Gyeonggi-Do, Republic of Korea
Min-Hyok LEE	1-1304, Hyundai APT., Sadang-Dong, Dongjak-Gu, Seoul, Republic of Korea
Chang-Hwan HWANG	111-504, Hyojachon Hyundai APT., Seohyeon-Dong, Boondang-Gu, Seongnam-Si, Gyeonggi-Do, Republic of Korea

hereby assign to:

**SAMSUNG ELECTRONICS CO., LTD.**, a Republic of Korea  
corporation/institute/institution having principal executive office(s) or place of business  
at: 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, Republic of  
Korea; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of U.S. Patent Application Number 29/387,107 filed 03/09/2011 at the U.S. Patent & Trademark Office signed by us, with title **MOBILE PHONE**, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and application serial number of said application when known; this Assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

IN TESTIMONY/WITNESS WHEREOF, we, undersigned inventors (Assignors) intending to be legally bound, have hereto affixed our signatures.

This 7<sup>th</sup> day of March, 2011

Chang-Hwan Kim

Signature: Chang-Hwan KIM

This 17<sup>th</sup> day of March, 2011

Min - Hyouk Lee

Signature: Min-Hyouk LEE

This 4<sup>th</sup> day of March, 2011

C. H. Hwang

Signature: Chang-Hwan HWANG