U.S. PTO 29/371952 02/09/2012

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Security Agreement Change of Name	City: Suwon-si				
Joint Research Agreement	State:				
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	document is being filed together with a new application.				
A. Patent Application No.(s)	B. Patent No.(s)				
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5. Name and address to whom correspondence concerning document should be mailed:  Name: Charles Y. Park  Internal Address:  Street Address: 1156 15th Street NW Suite 603  City: Washington  State: District of Columbia Zip: 20005  Phone Number: 202-429-0020  Fax: Number: 202-315-3758  Email Address: info@nsiplaw.com  9. Signature: /Charles Y. Park/	6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged to deposit account    Enclosed   None required (government interest not affecting title)  8. Payment Information  Deposit Account Number   Authorized User Name    219/2012				

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REEL: 027842 FRAME: 0405

## **ASSIGNMENT**

For valuable consideration, WE,

Ae-Jung SEO #202, 160-4, Gaepo-Dong, Seoul, Republic of Korea

June-Seok KIM #706, NexVill, Hanhwajin, 706-20, Yeoksam-Dong,

Gangnam-Gu, Seoul, Republic of Korea

Kyung-Dae PARK 102-1105, Hanvit Samsung APT., Seocho3-Dong,

Seocho-Gu, Seoul, Republic of Korea

Hee-Kyung JEON 708-1408, Shindonga River park APT., Noryangjin-

Dong, Dongjak-Gu, Seoul, Republic of Korea

Jee-Won LEE 102-1003, Pooreunmacul APT., Ilwonbon-Dong,

Gangnam-Gu, Seoul, 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. at the U.S. Patent & filed Patent Application Number Trademark Office signed by us, with title Generated Image for a Display Screen or Portion Thereof, 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 names 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.

> PATENT REEL: 027842 FRAME: 0406

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

This Coth day of January 2	:012
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Geo Ae Jing Signature: Ae-Jung SEO

Kim. June-Geok.

Signature: June-Seok KIM

This	30th	day of	Tounaw	2012

Signature: Kyung-Dae PARK

Jeon hee Kyung

This 30th day of January, 2012

Signature: Hee-Kyung JEON

WON LEE TEE

Signature: Jee-Won LEE

NSIP LAW 09/2010

**RECORDED: 02/09/2012**