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1. Name of conveying party(ies)

Execution Date(s)1/30/2012

A. Patent Application No.(s)

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State: District of Columbia

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4. Application or patent number(s):

X Assignment

Other

Ae-Jung SEO June-Seok KIM Kyung-Dae PARK Hee-Kyung JEON Jee-Won LEE



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Additional name(s) of conveying party(ies) attached? Yes X h

5. Name and address to whom correspondence

concerning document should be mailed:

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| Security Agreement Change of Name | City: Suwon-si |
| Joint Research Agreement | State: |
| Government Interest Assignment | Country: Republic of Korea Zip: |
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Name of Person Signing

ASSIGNMENT

For valuable consideration, WE,

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

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Dong, Dongjak-Gu, Seoul, Republic of Korea

Jee-Won LEE 102-1003, Pooreunmaeul 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: 027843 FRAME: 0709

Page 2 of 2

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

| This Both day of January, 2012 | Signature: Ae-Jung SEO |
|---------------------------------|--|
| This 20th day of January; 2012 | Kim June-Geok. Signature: June-Seok KIM |
| This 20th day of January 2012 | Signature: Kyung-Dae PARK |
| This 30 th day of January, 2012 | Jeon hee Kyung Signature: Hee-Kyung JEON |

LEE JEE WON

Signature: Jee-Won LEE

NSIP LAW 09/2010

This 30th day of January, 2012

PATENT REEL: 027843 FRAME: 0710

RECORDED: 02/09/2012