

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Haeng-nan KIM</td> <td>08/23/2012</td> </tr> <tr> <td>Woo-yeal SONG</td> <td>08/23/2012</td> </tr> </tbody> </table>		Name	Execution Date	Haeng-nan KIM	08/23/2012	Woo-yeal SONG	08/23/2012
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Haeng-nan KIM	08/23/2012						
Woo-yeal SONG	08/23/2012						
RECEIVING PARTY DATA							
Name:	Samsung Electronics Co., Ltd.						
Street Address:	129, Samsung-ro, Yeongtong-gu						
Internal Address:	Gyeonggi-do						
City:	Suwon-si						
State/Country:	KOREA, REPUBLIC OF						
Postal Code:	443-742						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13747115</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13747115		
Property Type	Number						
Application Number:	13747115						
CORRESPONDENCE DATA							
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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NAME OF SUBMITTER:	Seungman Kim						
Total Attachments: 1 source=Assignment#page1.tif							

CH \$40.00 13747115

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned Inventor(s) (hereinafter, "ASSIGNOR") by (insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG Electronics Co., Ltd.
129, Samsung-ro, Yeongtong-gu
Suwon-si, Gyeonggi-do, 443-742
Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

IMAGE FORMING APPARATUS AND METHOD OF UPGRADING FIRMWARE

relating to International Patent Application PCT ____/____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on Aug 23, 2012;

(Insert date of execution of application, if not concurrent)

(b) filed on _____;

Serial No. _____/_____;

*** Any registered attorney of Stanzione & Kim, LLP, 919 18th Street, N.W., Washington, D.C. 20006, is hereby authorized to insert in section (b) above the specified data, when known.***

and to said application and all Letters patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

1) Haengnan Kim
Haeng-nan KIM

Aug 23, 2012

2) Wooyeal Song
Woo-yeal SONG

Aug 23, 2012