

## PATENT ASSIGNMENT COVER SHEET

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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>WON-CHUL BANG</td> <td>01/22/2014</td> </tr> <tr> <td>DONG-GEON KONG</td> <td>01/22/2014</td> </tr> <tr> <td>KI-WAN CHOI</td> <td>01/22/2014</td> </tr> <tr> <td>JI-YOUNG PARK</td> <td>01/22/2014</td> </tr> </tbody> </table>		Name	Execution Date	WON-CHUL BANG	01/22/2014	DONG-GEON KONG	01/22/2014	KI-WAN CHOI	01/22/2014	JI-YOUNG PARK	01/22/2014
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>SAMSUNG ELECTRONICS CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>129, SAMUSUNG-RO, YEONGTONG-GU, GYEONGGI-DO 443-742</td> </tr> <tr> <td>City:</td> <td>SUWON-SI</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	SAMSUNG ELECTRONICS CO., LTD.	Street Address:	129, SAMUSUNG-RO, YEONGTONG-GU, GYEONGGI-DO 443-742	City:	SUWON-SI	State/Country:	KOREA, REPUBLIC OF		
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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>14161928</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14161928						
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Application Number:	14161928										
CORRESPONDENCE DATA											
<p>Fax Number: (202)315-3758          Phone: 202-429-0020          Email: pto@nsiplaw.com  <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>          Correspondent Name: NSIP LAW          Address Line 1: P.O. BOX 65745          Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20035</p>											
ATTORNEY DOCKET NUMBER:	012055.0217										
NAME OF SUBMITTER:	S. MAHMOOD AHMAD										
Signature:	/S. Mahmood Ahmad/										
Date:	01/23/2014										
Total Attachments: 3 source=NewApp_0120550217_executedCDA_updated#page1.tif source=NewApp_0120550217_executedCDA_updated#page2.tif source=NewApp_0120550217_executedCDA_updated#page3.tif											

PATENT

**COMBINED DECLARATION AND ASSIGNMENT UNDER 37 CFR 1.63(e)**

**DECLARATION**

As a below-named inventor, I hereby declare that this declaration is directed to the application attached hereto, or to United States Application Number or PCT International Application Number

\_\_\_\_\_ filed on \_\_\_\_\_ (if applicable), entitled:

**METHOD AND APPARATUS FOR GENERATING A TEMPERATURE IMAGE**

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

**ASSIGNMENT**

For valuable consideration, I, as a below-named assignor, hereby assign to:

Samsung Electronics Co., Ltd.  
129, Samsung-ro, 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 that are the subject of the application identified in the above declaration, which is United States Application Number or PCT International Application Number 14/161,928 filed on January 23, 2014.

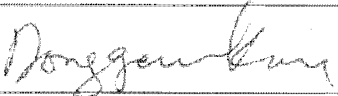
I authorize and request the attorneys appointed in the above-identified application to hereafter complete this Assignment by inserting above the application number and the filing date of the above-identified

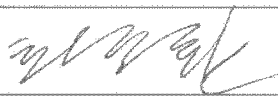
application when known, and to correct any typographical errors that may be discovered in this Assignment.

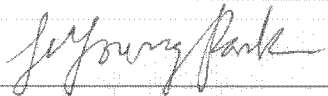
This Assignment includes the above-identified application, any and all United States and foreign patents, utility models, and design registrations granted for any of the inventions and improvements that are the subject of the above-identified application, and the right to claim priority based on the filing date of the above-identified 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 I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations, like rights of exclusion, and inventors' certificates for any of the inventions and improvements that are the subject of the above-identified application; and I agree for myself and my 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 witness whereof, I, as a below-named inventor and assignor, intending to be legally bound, have hereunto affixed my signature on the date indicated below next to my signature.

Inventor's Legal Name	<b>Won-chul BANG</b>		
Inventor's Signature		Date	22 Jan 2014
Residence (City, Country)	Seongnam-si, Republic of Korea		
Mailing Address	c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea		

Inventor's Legal Name	<b>Dong-geon KONG</b>		
Inventor's Signature		Date	22 Jan 2014
Residence (City, Country)	Hwaseong-si, Republic of Korea		
Mailing Address	c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea		

Inventor's Legal Name	<b>Ki-wan CHOI</b>		
Inventor's Signature		Date	22. Jan. 2014
Residence (City, Country)	Anyang-si, Republic of Korea		
Mailing Address	c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea		

Inventor's Legal Name	<b>Ji-young PARK</b>		
Inventor's Signature		Date	22. Jan. 2014
Residence (City, Country)	Yongin-si, Republic of Korea		
Mailing Address	c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea		