

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	FELIX CARLOS FERNANDES	07/14/2014
	ESMAEIL FARAMARZI	07/09/2014
	XIN LI	07/10/2014
	ANSHUMAN TEWARI	07/09/2014
	YOUNGKWON LIM	07/14/2014
	SUNGOH HWANG	07/09/2014
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	SAMSUNG ELECTRONICS CO., LTD.	
<b>Street Address:</b>	129, SAMSUNG-RO	
<b>Internal Address:</b>	YEONGTONG-GU, SUWON-SI	
<b>City:</b>	GYEONGGI-DO	
<b>State/Country:</b>	REPUBLIC OF KOREA	
<b>Postal Code:</b>	443-742	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14332132
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
<b>Phone:</b>	927-628-3600	
<b>Email:</b>	patents@munckwilson.com	
<b>Correspondent Name:</b>	DOCKET CLERK - SAMS	
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<b>Address Line 4:</b>	DALLAS, TEXAS 75380	
<b>ATTORNEY DOCKET NUMBER:</b>	2013.07.035.SR0	
<b>NAME OF SUBMITTER:</b>	MICHAEL G. RODRIGUEZ	
<b>SIGNATURE:</b>	/Michael G. Rodriguez/	
<b>DATE SIGNED:</b>	07/15/2014	
<b>Total Attachments: 7</b>		

PATENT

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ASSIGNMENT

WHEREAS, we, Felix Carlos Fernandes, resident of Plano, Collin County, Texas and citizen of the United States, Esmail Faramarzi, resident of Richardson, Collin County, Texas and citizen of Iran, Xin Li, resident of Dallas, Dallas County, Texas and citizen of China, Anshuman Tewari, resident of Plano, Collin County, Texas and citizen of the United States, Youngkwon Lim, resident of Allen, Collin County, Texas and citizen of Korea, and Sungoh Hwang, resident of Gyeonggi-do, Korea and citizen of Korea, have invented certain new and useful improvements in "DISPLAY POWER REDUCTION USING HISTOGRAM METADATA" disclosed in applications for United States Letters Patent, one of said applications having been executed concurrently herewith (Application No. \_\_\_\_\_, filed \_\_\_\_\_), others of said applications filed as U.S. Provisional Patent Application No. 61/858,031 on July 24, 2013, U.S. Provisional Patent Application No. 61/893,650 on October 21, 2013, U.S. Provisional Patent Application No. 61/895,242 on October 24, 2013, U.S. Provisional Patent Application No. 61/909,262 on November 26, 2013, U.S. Provisional Patent Application No. 61/925,558 on January 9, 2014, and U.S. Provisional Patent Application No. 61/971,892 on March 28, 2014;

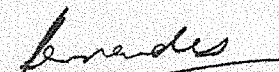
WHEREAS, SAMSUNG ELECTRONICS CO., LTD, a corporation organized under the laws of the Republic of Korea, having a place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, Republic of Korea (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to said invention and in and to said applications and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and in and to said applications and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; we authorize William A. Munck of Munck Wilson Mandala, LLP to insert in the parenthesis above the application number and filing date of said application when known; and we hereby authorize and request the Commissioner of Patents to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to said ASSIGNEE of our entire right, title and interest.

We also hereby sell, assign and transfer to said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive rights, title and interest to said invention disclosed in said applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in said ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to us respecting any improvements and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 14<sup>th</sup> day of July, 2014.

  
Felix Carlos Fernandes

STATE OF \_\_\_\_\_ §  
COUNTY OF \_\_\_\_\_ §

On this \_\_\_\_ day of \_\_\_\_\_, 2014, before me, a Notary Public in and for the State and County aforesaid, personally appeared Felix Carlos Fernandes, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his/her own free act and deed.

\_\_\_\_\_  
Notary Public, State of Texas

My Commission Expires:  
\_\_\_\_\_

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 2<sup>th</sup> day of July, 2014.

  
\_\_\_\_\_  
Esmaeil Faramarzi

STATE OF \_\_\_\_\_

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§

COUNTY OF \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 2014, before me, a Notary Public in and for the State and County aforesaid, personally appeared Esmaeil Faramarzi, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his/her own free act and deed.

\_\_\_\_\_  
Notary Public, State of Texas

My Commission Expires:  
\_\_\_\_\_

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 10th day of July, 2014.

Xin Li

STATE OF \_\_\_\_\_

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§  
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COUNTY OF \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 2014, before me, a Notary Public in and for the State and County aforesaid, personally appeared Xin Li, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his/her own free act and deed.

\_\_\_\_\_  
Notary Public, State of Texas

My Commission Expires:  
\_\_\_\_\_

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 9<sup>th</sup> day of JULY, 2014.

Anshuman Tewari  
Anshuman Tewari

STATE OF \_\_\_\_\_

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COUNTY OF \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 2014, before me, a Notary Public in and for the State and County aforesaid, personally appeared Anshuman Tewari, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his/her own free act and deed.

\_\_\_\_\_  
Notary Public, State of Texas

My Commission Expires:  
\_\_\_\_\_

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 14<sup>th</sup> day of July, 2014.



\_\_\_\_\_  
Youngkwon Lim

STATE OF \_\_\_\_\_

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COUNTY OF \_\_\_\_\_

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On this \_\_\_\_\_ day of \_\_\_\_\_, 2014, before me, a Notary Public in and for the State and County aforesaid, personally appeared Youngkwon Lim, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his/her own free act and deed.


\_\_\_\_\_  
Notary Public, State of Texas

My Commission Expires:

\_\_\_\_\_



IN WITNESS WHEREOF, I have hereunto set my hand and seal this 9 day of July, 2014.

  
Sungoh Hwang

STATE OF Gyeonggi-do  
COUNTY OF Korea

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On this \_\_\_\_ day of \_\_\_\_\_, 2014, before me, a Notary Public in and for the State and County aforesaid, personally appeared Sungoh Hwang, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his/her own free act and deed.

\_\_\_\_\_  
Notary Public, State of Texas

My Commission Expires:  
\_\_\_\_\_

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