

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT												
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Schedule A previously recorded on Reel 029651 Frame 0765. Assignor(s) hereby confirms the Assignment (including Schedule A).												
CONVEYING PARTY DATA													
<table border="1"> <tr> <th>Name</th> <th>Execution Date</th> </tr> <tr> <td>Pano, LLC</td> <td>12/20/2012</td> </tr> </table>		Name	Execution Date	Pano, LLC	12/20/2012								
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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, Samsung-ro, Yeongtong-gu</td> </tr> <tr> <td>Internal Address:</td> <td>Gyeonggi-do</td> </tr> <tr> <td>City:</td> <td>Suwon-si</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>443-742</td> </tr> </table>		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
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PROPERTY NUMBERS Total: 4													
<table border="1"> <tr> <th>Property Type</th> <th>Number</th> </tr> <tr> <td>Application Number:</td> <td>11784177</td> </tr> <tr> <td>Application Number:</td> <td>11973319</td> </tr> <tr> <td>Application Number:</td> <td>12082978</td> </tr> <tr> <td>Application Number:</td> <td>12221403</td> </tr> </table>		Property Type	Number	Application Number:	11784177	Application Number:	11973319	Application Number:	12082978	Application Number:	12221403		
Property Type	Number												
Application Number:	11784177												
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Application Number:	12221403												
CORRESPONDENCE DATA													
<p>Fax Number: 2022937860 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2022937060 Email: sughrue@sughrue.com, ctavernese@sughrue.com Correspondent Name: Sughrue Mion , PLLC Address Line 1: 2100 Pennsylvania Avenue NW Address Line 4: Washington, DISTRICT OF COLUMBIA 20037</p>													
ATTORNEY DOCKET NUMBER:	Q201832												

OP \$160.00 11784177

NAME OF SUBMITTER:

Carolyn Tavernese

Total Attachments: 8

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Your assignment has been received by the USPTO.
The coversheet of the assignment is displayed below:

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
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PROPERTY NUMBERS Total: 9													
<table border="1"><tr><th>Property Type</th><th>Number</th></tr><tr><td>Patent Number:</td><td>8264494</td></tr><tr><td>Patent Number:</td><td>8260985</td></tr><tr><td>Application Number:</td><td>11784177</td></tr><tr><td>Application Number:</td><td>11973319</td></tr></table>	Property Type	Number	Patent Number:	8264494	Patent Number:	8260985	Application Number:	11784177	Application Number:	11973319			
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Application Number:	12082978
Application Number:	12221403
Application Number:	13043158
Application Number:	13168848
Application Number:	13566953

CORRESPONDENCE DATA	
Fax Number:	2022937860
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Sughrue Mion, PLLC
Address Line 1:	2100 Pennsylvania Avenue NW
Address Line 2:	Suite 800
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20037

ATTORNEY DOCKET NUMBER:	Q201195
NAME OF SUBMITTER:	Jeffrey Heller - Teams Dept.
Signature:	/Jeffrey Heller/
Date:	01/17/2013

Total Attachments: 6 source=Assignment_PanoLLC_to_Samsung#page1.tif source=Assignment_PanoLLC_to_Samsung#page2.tif source=Assignment_PanoLLC_to_Samsung#page3.tif source=Assignment_PanoLLC_to_Samsung#page4.tif source=Assignment_PanoLLC_to_Samsung#page5.tif source=Assignment_PanoLLC_to_Samsung#page6.tif	
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RECEIPT INFORMATION	
EPAS ID:	PAT2239116
Receipt Date:	01/17/2013
Fee Amount:	\$360

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PATENT ASSIGNMENT AGREEMENT

This Patent Assignment Agreement (this "Patent Assignment") is made as of December 20, 2012, by and between Pano (assignment for the benefit of creditors), LLC, a California limited liability company, in its sole and limited capacity as Assignee for the Benefit of Creditors of Pano Logic, Inc. (the "Seller"), and Samsung Electronics Co., Ltd., a Republic of Korea limited liability company (the "Buyer"). Seller and Buyer are parties to a certain Asset Purchase Agreement dated as of December 18, 2012, (the "Asset Purchase Agreement"). Capitalized terms used without definitions herein shall have the meanings ascribed to such terms in the Asset Purchase Agreement.

1. Pursuant to, and upon the terms of, the Asset Purchase Agreement, Seller has agreed to sell, convey, assign and transfer to Buyer, and Buyer has agreed to accept, (1) the entire worldwide right, title and interest of Seller in and to each and all Letters Patents and patent applications in the United States and in all foreign countries including, without limitation, corresponding Patent Cooperation Treaty patent applications and corresponding National patent applications and all inventions, improvements and discoveries disclosed in said Letters Patents and applications, including those set forth in Schedule A hereto, and in and to all substitutions, divisions, continuations, continuations-in-part, reexaminations, extensions, renewals and reissues (as applicable) thereof, including without limitation of generality, all rights of priority resulting from the filing of patent applications relating to any of the foregoing, as well as any and all choses in action and any and all claims and demands, both at law and in equity, that Seller has or may have for damages or profits accrued or to accrue on account of the infringement of any of said Letter Patents, patent applications, inventions, improvements and discoveries (or any provisional rights therein), the same to be held and enjoyed by Buyer, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Seller if the assignment set forth in this Patent Assignment had not been made; (2) the full and complete right to file patent applications in the name of the Seller or its designee, at the Buyer's, or its designee's election, on the aforesaid inventions, improvements, discoveries and applications in all countries of the world; and (3) the entire right, title and interest of Seller in and to any Letter Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same (hereafter collectively referred to as "Patents").

2. Seller desires to transfer and assign to Buyer, and Buyer desires to accept the transfer and assignment of all of Seller's right, title and interest in, to and under such Patents and in and to the inventions represented thereby.

3. Seller, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, does hereby sell, convey, transfer and assign to Buyer, and Buyer hereby accepts the sale, conveyance, transfer and assignment of all worldwide right, title and interest of Seller in, to and under the Patents, together with the right of Seller to claim priority in all countries in accordance with international law, any and all rights of Seller corresponding to said Patents in countries throughout the world, and all of Seller's rights to sue for past, present or future infringement of said Patents worldwide together with all claims for damages by reason of past, present or future infringement of said Patents, and the right to sue for and collect the same for

Buyer's own use and enjoyment, all to be held and enjoyed by said Buyer, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Seller had this Assignment not been made. Seller hereby authorizes and requests the United States Patent and Trademarks Office to issue said Letter Patents in accordance with this Patent Assignment.

4. Notwithstanding anything to the contrary herein, Seller and Buyer are executing and delivering this Patent Assignment in accordance with the Asset Purchase Agreement. This Patent Assignment is subject to all of the terms and conditions of the Asset Purchase Agreement, and does not increase any liabilities or obligations nor decrease any rights or interests of either Seller or Buyer thereunder.

5. This Patent Assignment may be executed in multiple counterparts, each of which shall be deemed an original hereof, and all of which shall constitute a single agreement effective as of the date hereof. Any delivery of an executed counterpart of this Patent Assignment by facsimile or electronic mail shall be as effective as delivery of a manually executed counterpart of this Patent Assignment.

6. This Patent Assignment shall be binding upon and shall inure to the benefit of the parties and their respective successors and assigns.

7. This Patent Assignment shall be governed by and construed in accordance with federal bankruptcy law, to the extent applicable, and, where state law is implicated, the internal laws of the State of California, without giving effect to any principles of conflicts of law.

[Signature page follows]

IN WITNESS WHEREOF, Seller and Buyer have caused this Patent Assignment to be executed on the date first written above.

SELLER:

Pano (assignment for the benefit of creditors),
LLC, solely as Assignee for the Benefit
of Creditors of Pano Logic, Inc.

By: _____

Its: _____

BUYER:

Samsung Electronics Co., Ltd.

By: *Yongjin Nam*

Its: VICE PRESIDENT

- SIGNATURE PAGE TO PATENT ASSIGNMENT AGREEMENT -

OMM_US:71187410

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By:  _____

Its: _____

BUYER:

Samsung Electronics Co., Ltd.

By: _____

Its: _____

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OMM_US:71187410

PATENT
REEL: 029778 FRAME: 0540

Schedule A

PATENTS AND PATENT APPLICATIONS

1. U.S. Patent No. 8,264,494
2. U.S. Patent No. 8,260,985
3. U.S. Patent Appl. Publ. No. 2008-0010340 corresponds to US Patent Appl No. 11/784,177 ✓ 2/04/13
4. U.S. Patent Appl. Publ. No. 2009-0094365 corresponds to US Patent Appl No. 11/973,319 ✓ 2/04/13
5. U.S. Patent Appl. Publ. No. 2009-0094621 corresponds to US Patent Appl No. 12/082,978 ✓ 2/04/13
6. U.S. Patent Appl. Publ. No. 2009-0094672 corresponds to US Patent Appl No. 12/221,403 ✓ 2/04/13
7. U.S. Patent Appl. No. 13/043,158
8. U.S. Patent Appl. No. 13/168,848
9. U.S. Patent Appl. No. 13/566,953
10. U.S. Patent Appl. No. 61/568,114 and US Patent Appl No. 13/707,043 which claims ✓ 2/04/12
benefit of US Patent Appl No 61/568,114

STATE OF CALIFORNIA

COUNTY OF Santa Clara

SS.

On December 20, 2012, before me, Hangama Aziz, notary public,

personally appeared Martin D. Pickinson
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same
in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument
the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing is true and correct.

WITNESS my hand and official seal.

Signature Hangama Aziz (Seal)



OMM_US:71187410