PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------|----------------|
| Dale YIM | 10/09/2009 |
| Sang-su LEE | 10/09/2009 |
| Ho-chul SHIN | 10/09/2009 |

RECEIVING PARTY DATA

| Name: | Samsung Electronics Co., Ltd. | |
|-------------------|--------------------------------|--|
| Street Address: | 416, Maetan-dong, Yeongtong-gu | |
| Internal Address: | Gyeonggi-do | |
| City: | Suwon-si | |
| State/Country: | REPUBLIC OF KOREA | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12626276 |

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| ATTORNEY DOCKET NUMBER: | Q114610 |
|-------------------------|---------------------|
| NAME OF SUBMITTER: | Christopher R. Lipp |

Total Attachments: 1

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PATENT

501025818 REEL: 023572 FRAME: 0312

Docket No. Q114610 For Non-U.S. Clients

Assignment

| Whereas, We, Dale YIM, Sang-su LEE, and Ho-chul SHIN of Suwon-si, Republic of Korea, Suwon-si, Republic of Korea, and Hwaseong-si, Republic of Korea, respectively, hereinafter called assignors, have invented certain improvements in IMAGE APPARATUS FOR DETERMINING TYPE OF IMAGE DATA AND METHOD FOR PROCESSING IMAGE DATA APPLICABLE THERETO and executed an application for Letters Patent of the United States of America therefor on; and |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Whereas, SAMSUNG ELECTRONICS CO., LTD., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor; |
| Now therefore, for valuable consideration, receipt whereof is hereby acknowledged, |
| We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee. |
| We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number, filed) the application number and filing date of said application when known. |
| Date: Oct. 9, 2009 , Jan A s/Dale YIM |
| s/Dale YIM |
| Date: 0ct. 9, 2009 S/Sang-su LEE Date: 0ct. 9, 2009 |
| s/Sang-su LEE |
| Date: Oct. 9, 2009 |
| s/Ho-chul SHIN |

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

RECORDED: 11/25/2009

PATENT REEL: 023572 FRAME: 0313