03-29-2007

U.S. DEPARTMENT OF COMMERCE



U.S. Patent and Trademark Office

| To the Director of the U.S. Patent and 1. Name of conveying party(ies): Seung Tae CHOI Seung Wan LEE 103388586 2. Name and address of receiving party(ies): SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-dong, Yeongtong-gu | ow. | |
|---|-------------------------------|--|
| 1. Name of conveying party(ies): Seung Tae CHOI Seung Wan LEE 2. Name and address of receiving party(ies): SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-dong, Yeongtong-gu | JW | |
| Seung Tae CHOI Seung Wan LEE SAMSUNG ELECTRONICS CO., LTD. 416, Maetan-dong, Yeongtong-gu | l l | |
| Eun Sung LEE Kyu Dong JUNG | 9 U.S. PTO 7 2387 5 | |
| 3. Nature of conveyance/Execution Date(s): | | |
| March 12, 2007, March 12, 2007, March 12, 2007 and Execution Date(s): March 12, 2007, March 12, 2007 and March 12, 2007 | | |
| ☑ Assignment ☐ Merger | | |
| ☐ Security Agreement ☐ Change of Name | | |
| ☐ Joint Research Agreement | | |
| ☐ Government Interest Assignment | | |
| ☐ Executive Order 9424, Confirmatory License | | |
| ☐ Other Additional name(s) & address(es) attached? ☐ Yes ☑ | l No | |
| 4. Application number(s) or patent number(s): | | |
| A. Patent Application No.(s) Not Yet Assigned B. Patent No.(s) | | |
| Additional numbers attached? ☐ Yes ☑ No | | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: | | |
| SUGHRUE MION, PLLC 7. Total fee (37 CFR 1.21(h) & 3.41): \$40.00 | | |
| WASHINGTON OFFICE Authorized to be charged by credit card | | |
| 23373 | | |
| CUSTOMER NUMBER | 1 | |
| □ None required (government interest not affecting title) | | |
| 8. Deposit Account Number: | | |
| (Attach duplicate copy of this page if paying by deposit account | | |
| 9. Signature: | 40.00 Bb | |
| /darrylmexic/ March 22, 2007 | -0 , | |
| Darryl Mexic Reg. No. 23,063 Date | | |
| | | |
| Total number of pages including cover sheet, attachments, and documents: 3 Mail documents to be recorded with required cover sheet information to: | | |
| Mail documents to be recorded with required cover sheet information to: MAIL STOP ASSIGNMENT RECORDATION SERVICES Director of the U.S. Patent and Trademark Office | | |
| Director of the O.S. Patent and Trademark Office | | |
| P.O. Box 1450 Alexandria, VA 22313-1450 | | |
| Alexandria, VA 22313-1430 | | |

03/26/2007 01 FC:8021

Assignment

Whereas, We, Seung Tae CHOI; Seung Wan LEE; Woon Bae KIM; Min Seorg CHOI; Eun Sung LEE; and Kyu Dong JUNG; all of Yongin-si, Republic of Korea, hereinafter called assignors, have invented certain improvements in OPTICAL LENS AND METHOD OF MANUFACTURING THE SAME 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 443-742, 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 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 au | thorize and request our at | torneys SUGHRUE MION, PLLC of 2100 |
|---------------------|----------------------------|---|
| Pennsylvania Avenue | e, NW, Washington, DC 2 | 20037-3213 to insert here in parentheses |
| (Application number | and Co | nfirmation number, filed |
| |) the application number : | and filing date of said application when known. |
| Date: | Dogle Chai | 2007.03.12 |
| • | s/Seurig Tae CHOI | |
| Date: | 0/20 | 2007.03.12 |
| | s/Seung Wan LEE | |
| Date: | Mu | 2007.03.12 |
| | s/Woon Bae KIM | |
| Date: | anne. | 2 007.03.1 2 |
| | e/Min Seong CHO! | |
| Date: | 24. | 2007.03.12 |
| | s/Eun Sung LEF | <u> </u> |
| Date: | July 1 | 2007.03.12 |
| | s/Kyu Dong JUNG | |

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

PATENT REEL: 019092 FRAME: 0702

Assignment

Whereas, We, Seung Tae CHOI; Seung Wan LEE; Woon Bae KIM; Min Seog CHOI; Eun Sung LEE; and Kyu Dong JUNG; all of Yongin-si, Republic of Korea, hereinafter called assignors, have invented certain improvements in OPTICAL LENS AND METHOD OF MANUFACTURING THE SAME, and executed an application for Letters Patent of the United States of America therefor on March 12, 2007; and

Whereas, SAMSUNG ELECTRONICS CO., LTD., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-742, 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 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.

| 1 | e hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 |
|-------------|--|
| Pennsyl | ania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses |
| (Applie | ion number, filed |
| | the application number and filing date of said application when known. |
| Date: | |
| | s/Seung Tae CHOI |
| Date: | |
| | s/Seung Wan LEE |
| Date: | |
| _ | s/Woon Bae KIM |
| Date: | 2007.03.21 |
| , | s/Min Seog CHOI |
| Date: | |
| - | s/Eun Sung LEE |
| Date: | |
| - | s/Kyu Dong JUNG |

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

RECORDED: 03/22/2007

PATENT REEL: 019092 FRAME: 0703