| B/O FORM PTO-1595 (Rev. 4/00) | | 327088 | rtment of Commerce Pate | ent and Trademark Off |
|--|--|--|---|------------------------------------|
| To the Commissioner for Paten | s. Please record the attached origin | nal documents or copie | es thereof. | |
| 1. Name of Conveying Party(ies): | | 2. Name and Address | of Receiving Party(ies); | |
| Kyoung Mun CHOO Soon Woong LEE Jae Seon KIM | Noong LEE | Name: | SAMSUNG CORNIN | NG CO., LTD. |
| Jae | Seon KIM | Street Address: | #472 Sin-dong, Pal Suwon-si | 7548 U.S. PTO 10/026/76 |
| 3. Nature of Conveyance: | | | | - |
| ⊠Assignment □ Security Agreem □ Other: | □ Merger ent □ Change of Name | City, State, Zip: | Kyungki-do 442-73 | 2, Korea |
| Execution Dat | e: 08/20/04 | Additional name(s) and address(es) attached. | | |
| |): | 4. (B) Patent Number(| 57. | |
| | ther with a new he application is: 08/20/04 | | 57. | |
| If this document is being filed toge application, the execution date of t Title: Elat Panel J | ther with a new he application is: 08/20/04 □ Additional Nurr | | 57. | |
| application, the execution date of t | ther with a new he application is: 08/20/04 □ Additional Num For Use In A Cathode Ray Tube | | 57. | |
| application, the execution date of the second secon | ther with a new he application is: 08/20/04 □ Additional Nurr | ibers Attached. | | |
| application, the execution date of the second se | ther with a new he application is: 08/20/04 □ Additional Num For Use In A Cathode Ray Tube 1003005/EM | ibers Attached. | plications and | 00 |
| application, the execution date of t Title: Flat Panel Attorney Docket No.: Cl 5. Name and Address of Party to v Document Should be Mailed: Name: 23364 | ther with a new he application is: 08/20/04 □ Additional Num For Use In A Cathode Ray Tube HOO3005/EM whom Correspondence Concerning this | Total Number of Ap Pat 7. Total Fee: (37 CFR 3.41) S Enclosed | plications and ents Involved: 1 | |
| application, the execution date of t Title: Flat Panel Attorney Docket No.: Cl 5. Name and Address of Party to v Document Should be Mailed: Name: | ther with a new he application is: 08/20/04 □ Additional Num For Use In A Cathode Ray Tube HOO3005/EM whom Correspondence Concerning this Eugene Mar Bacon & Thomas, PLLC 625 Slaters Lane Fourth Floor | Total Number of Ap Pat 7. Total Fee: (37 CFR 3.41) S Enclosed | plications and ents Involved: 1 \$40.0 charged to deposit accou | Int |
| application, the execution date of t Title: Flat Panel 1 Attorney Docket No.: Cl 5. Name and Address of Party to v Document Should be Mailed: Name: 23364 | ther with a new he application is: 08/20/04 □ Additional Num For Use In A Cathode Ray Tube HOO3005/EM whom Correspondence Concerning this Eugene Mar Bacon & Thomas, PLLC 625 Slaters Lane Fourth Floor | Total Number of Ap Pat 7. Total Fee: (37 CFR 3.41) Enclosed Authorized to be o | plications and ents Involved: 1 \$40.0 charged to deposit accou | Int |
| application, the execution date of the Title: Flat Panel I Attorney Docket No.: Cl 5. Name and Address of Party to v Document Should be Mailed: Name: 23364 CUSTOMER NUMBER 9. Statement and Signature: To the best of my kn true copy of the orig | ther with a new he application is: 08/20/04 □ Additional Num For Use In A Cathode Ray Tube 1003005/EM whom Correspondence Concerning this Eugene Mar Bacon & Thomas, PLLC 625 Slaters Lane Fourth Floor Alexandria, VA 22314 owledge and belief, the foregoing | Total Number of Ap Pat 7. Total Fee: (37 CFR 3.41) Senclosed Authorized to be of 8. Deposit Account N | plications and ents Involved: 1 \$40.0 charged to deposit account lumber: 02-0200 and any attached copy | int is a |
| application, the execution date of the secution dat | ther with a new he application is: 08/20/04 □ Additional Num For Use In A Cathode Ray Tube 1003005/EM whom Correspondence Concerning this Eugene Mar Bacon & Thomas, PLLC 625 Slaters Lane Fourth Floor Alexandria, VA 22314 owledge and belief, the foregoing inal document. | Total Number of Appendix Total Number of Appendix 7. Total Fee: (37 CFR 3.41) Enclosed Authorized to be of 8. Deposit Account Notes 1. Authorized to be of 1. Authoriz | plications and ents Involved: 1 \$40.0 charged to deposit account lumber: 02-0200 and any attached copy | int <i>is a</i> ust 26, 2004 |
| application, the execution date of the first second | ther with a new he application is: 08/20/04 □ Additional Num For Use In A Cathode Ray Tube 1003005/EM whom Correspondence Concerning this Eugene Mar Bacon & Thomas, PLLC 625 Slaters Lane Fourth Floor Alexandria, VA 22314 owledge and belief, the foregoing inal document. | Total Number of App Pat 7. Total Fee: (37 CFR 3.41) Enclosed Authorized to be of 8. Deposit Account N is true and correct a Signature | plications and ents Involved: 1 \$40.0 charged to deposit account lumber: 02-0200 and any attached copy Aug | int is a |

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PATENT REEL: 015733 FRAME: 0635

ASSIGNMENT

WHEREAS, I (we), Kyoung Mun Choo, Soon Woong Lee and Jae Seon Kim whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, is(are) the owner of certain new and useful improvements in FLAT PANEL FOR USE IN A CATHODE RAY TUBE (hereinafter referred to as the INVENTION) for which an application for United States Letters Patent was [x] executed on even date herewith [] executed on: [] filed on: [] filed on: [] Serial No.:

[] established by PCT International Patent Application No.: filed: designating the United States of America

WHEREAS, SAMSUNG CORNING CO., LTD.

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whose post office address is #472 Sin-dong, Paldal-ku, Suwon-si, Kyungki-do 442-732, Korea hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to the same in the united States;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the INVENTION that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes any member of the firm of Bacon & Thomas to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

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|------|---|

| Assignor Name | Kyoung Mun Choo | Address #472 Sin-dong, Paldal-ku, Suwon-si, | |
|--------------------|-------------------|---|--|
| Where Signed | Kyungki-do, Korea | Kyungki-do 442-732, Korea | |
| Date | August 20, 2004 | Signature Kyoung Mun Chou | |
| Witness (optional) | | Witness (optional) | |
| | Print/Type Name | Print/Type Name | |
| | Signature | Signature | |

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| Witness (optional) | | Witness (optional) |
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| Assignor Name | Jae Seon Kim | Address #472 Sin-dong, Paldal-ku, Suwon-si, | |
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| Date | August 20, 2004 | signature Jae Seon Kim | |
| Witness (optional) | | Witness (optional) | |
| Print/Type Name | | Print/Type Name | |
| Signature | | Signature | |

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