06-10-2009

U.S. PTO 12/457114 06/01/2009

ION FORM COVER SHEET

Based on Form PTO-1595 (Rev. 09-08)

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--|--|
| To the Director or the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below | | | |
| 1. Name of conveying party(ies): | 2. Name and address of receiving party(ies) | | |
| JUNG, Sung-Su, KWAK, Yong-Keun | Name: LG.PHILIPS LCD CO., LTD. | | |
| | Internal Address: | | |
| | | | |
| Additional name(s) of conveying party(ies) attached? Yes X No | Street 20, Yoido-dong, Yongdungpo-gu | | |
| 3. Nature of Conveyance/Execution Date(s): | | | |
| X Assignment Merger | | | |
| Security Agreement Change of Name | City: Seoul | | |
| Joint Research Agreement | State: | | |
| Government Interest Agreement | Country: Republic of Korea | | |
| Other | Zip: 150-721 | | |
| Execution Date(s): November 25, 2003 | Additional name(s) & Yes X No address(es) attached: | | |
| A. Patent Application No.(s): Additional numbers attached | B. Patent No.(s): ed? Yes X No | | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: Concerning to the concerning document of applications and patents involved: 1 1 1 1 1 1 1 1 1 | | | |
| Name: MCKENNA LONG & ALDRIDGE LLP | 7. Total fee (37 CFR 3.41) \$40.00 | | |
| Internal Address: Atty. Dkt.: 8734.266 D1 | X Enclosed | | |
| Street Address: | X Authorized to be charged to deposit account | | |
| 1900 K STREET, N.W. | None required (government interest not affecting title) | | |
| | 8. Deposit account number: | | |
| City: State: Zip: WASHINGTON DC 20006 | 50-0911 | | |
| 9. Statement and signature. | 1 | | |
| To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. | | | |
| Eric J. Nuss, Registration No.: 40,106 | June 1, 2009 | | |
| Name of Person Signing, Reg. No. | Signature Date | | |
| Total number of pages including cover sheet, att | achments, and documents: 2 | | |

06/02/2009 SZEWDIE1 00000006 12457114

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DC:50625229.1

PATENT REEL: 022811 FRAME: 0539

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

DISPENSER FOR LIQUID CRYSTAL DISPLAY PANEL AND METHOD FOR CONTROLLING GAP BETWEEN SUBSTRATE AND NOZZLE USING THE SAME

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an

| WHEREAS, LG.Philips LCD Co., Lt | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Dong, Yongdungpo-Gu, Seoul, Korea, (herein right, title, and interest in and to this invention and the Letters Patent to be issued upon this appropriate to the invention of the control o | n, the application for United States Letters Pate | ecuring the entire |
| NOW THEREFORE, be it known that assignee is hereby acknowledged, I/WE, as assignee hereby sell, assign, transfer, and set over unto right, title, and interest in and to this invention and all Letters Patent of the United States which hereby authorize and request the Commissions Letters Patent for this invention to assignee, it Assignment; | the assignee, its lawful successors and assigns a and this application, and all divisions, and co ch may be granted thereon, and all reissues the er of Patents and Trademarks of the United St | d set over, and do s, MY/OUR entire ontinuations thereof, ereof; and I/WE ates to issue all |
| AND, I/WE HEREBY further covers communicate with assignee, its successors and testify in any legal proceeding, sign all lawful that may be necessary or desirable to perfect the execute all divisional, continuation, and reissurpossible to aid assignee, its successors and assignmention in the United States, it being understable be borne by the assignee, its successors as | papers when called upon to do so, execute an the title to this invention in said assignee, its s are applications, make all rightful oaths and gen signs, to obtain and enforce proper patent prot tood that any expense incident to the execution | ng this invention and d deliver all papers uccessors and assigns, nerally do everything ection for this |
| AND, I/WE HEREBY authorize and and Power of Attorney in this application, to it | request the attorneys I/WE have empowered nsert here in parentheses (Application No | in the Declaration, filed December 4, |
| AND, I/WE HEREBY authorize and and Power of Attorney in this application, to in the filing date and application numbers. | request the attorneys I/WE have empowered insert here in parentheses (Application Nomber of said application when known. | in the Declaration, filed December 4, |
| AND, I/WE HEREBY authorize and and Power of Attorney in this application, to in the filing date and application numbers. IN TESTIMONY WHEREOF, I/WE | request the attorneys I/WE have empowered insert here in parentheses (Application Nomber of said application when known. The have hereunto set our hand(s). | , filed December 4, |
| AND, I/WE HEREBY authorize and and Power of Attorney in this application, to in the filing date and application number of Testimony Whereof, I/WE Full Name of Sole or First Assignor | request the attorneys I/WE have empowered insert here in parentheses (Application No | , filed December 4, |
| AND, I/WE HEREBY authorize and and Power of Attorney in this application, to in the filing date and application number of Testimony Whereof, I/WE Full Name of Sole or First Assignor Sung-Su JUNG | request the attorneys I/WE have empowered nsert here in parentheses (Application No | Date |
| AND, I/WE HEREBY authorize and and Power of Attorney in this application, to in the filing date and application number of Testimony Whereof, I/WE Full Name of Sole or First Assignor | request the attorneys I/WE have empowered nsert here in parentheses (Application No | Date Citizenship |
| AND, I/WE HEREBY authorize and and Power of Attorney in this application, to in the filing date and application number of the filing date and application nu | request the attorneys I/WE have empowered insert here in parentheses (Application No | Date Citizenship Republic of Korea |
| AND, I/WE HEREBY authorize and and Power of Attorney in this application, to in the filing date and application number of Sole or First Assignor Sung-Su JUNG Address: Doosung Downtown 201, Taejeon-Full Name of Second Assignor | request the attorneys I/WE have empowered nsert here in parentheses (Application No | Date Citizenship Republic of Korea |
| AND, I/WE HEREBY authorize and and Power of Attorney in this application, to in the filing date and application number of the filing date and application nu | request the attorneys I/WE have empowered insert here in parentheses (Application No | Date Date Citizenship Republic of Korea Date Date Date Citizenship |
| AND, I/WE HEREBY authorize and and Power of Attorney in this application, to in the filing date and application number of Sole or First Assignor Sung-Su JUNG Address: Doosung Downtown 201, Taejeon-Full Name of Second Assignor Yong-Keun KWAK | request the attorneys I/WE have empowered insert here in parentheses (Application No | Date Date Citizenship Republic of Korea Date Date |
| AND, I/WE HEREBY authorize and and Power of Attorney in this application, to in the filing date and application number of the filing date and application nu | request the attorneys I/WE have empowered insert here in parentheses (Application No | Date Citizenship Republic of Korea Date Date Citizenship Republic of Korea |

I-WA/2083254.1

RECORDED: 06/01/2009

PATENT REEL: 022811 FRAME: 0540