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| Form PTO-1595 RECORDATION FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE | | | |
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| (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002) PATENTS ONLY 10 / 506 6 3 6 | | | |
| To the Honorable Commissioner of Patents and Trademarks: Pl | lease record the attached original documents or copy thereof | | |
| 1. Name of conveying party(ies): Takao Murayama Akira Hirai Satoshi Yawata Additional name(s) of conveying party(ies) | 2. Name and address of receiving party(ies) Name: Sharp Kabushiki Kaisha Internal Address: Street Address: 22-22 Nagaike-cho Abeno-Ku, Osaka 545-8522 JAPAN | | |
| attached? 3. Nature of Conveyance: X Assignment Merger | | | |
| Security Agreement Change of Name Other | City: State: Additional name(s) & | | |
| 8/9/04, 8/9/04 and 8/5/04, Execution Date: respectively | address(es) attached: x Yes No | | |
| 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the new application is: September 2, 2004 A. Patent Application No.(s): B. Patent No.(s): | | | |
| Additional numbers attache | ed? Yes x No | | |
| Name and address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved: 1 | | |
| Name: Steven M. Jensen EDWARDS & ANGELL, LLP | 7. Total fee (37 CFR 3.41) \$ 40.00 | | |
| Internal Address: Atty. Dkt.: 61982 (70904) Street Address: P.O. Box 55874 | X Enclosed Authorized to be charged to deposit account Authorized to be charged to credit card (Form 2038 enclosed) | | |
| City: State: Zip: Boston MA 02205 | 8. Deposit account number: 04-1105 (Attach duplicate copy of this page if paying by deposit account) | | |
| DO NOT USE THIS SPACE | | | |
| 9. Statement and signature. To the best of my knowledge and belief, the foregoing infois a true copy of the original document. Steven M. Jensen - 42,693 Name of Person Signing Total number of pages including cover sheet, attach | September 3, 2004 Signature Date | | |
| I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV437817779US, in an envelope addressed to: MS Assignment Recordation Services, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below. Dated: September 3, 2004 Signature: | | | |
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PATENT

REEL: 016483 FRAME: 0891

| Form PTO-1595 | REC | CORDATION FO | RM COVER SHEET nued) | | |
|--|---|--------------|-----------------------|-------------|--|
| Additional Conveying Party(ies) (1. Continued): | | | | | |
| | | | | | |
| | | | | | |
| Additional Assignees (2. Continued): | | | | | |
| Assignee Name: | Hitachi Industries Co | o., Ltd. | | | |
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| Internal Address: | | | | | |
| Street Address: | | | | | |
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| City: | | State: | | Zip Code: | |
| Additional Applications and/or Patents (4. Continued): | | | | | |
| Additional Patent A | onlication Numbers | | Additional Patent Nun | ibers | |
| 4A. Continued: | ppiloddon Nambord | | 4B. Continued: | | |
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| Additional numbers attached? Yes No | | | | | |

Docket No.: 61982(70904)

PATENT REEL: 016483 FRAME: 0892

ASSIGNMENT

I, Takao MURAYAMA, Akira HIRAI and Satoshi YAWATA(inventor), for good and valuable consideration from ①SHARP KABUSHIKI KAISHA and ②HITACHI INDUSTRIES CO., LTD. (assignee), having its principal place of business at ①22-22, Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan and ②13-17, Nakagawa 4-chome Adachi-ku Tokyo 120-8585 Japan (address) hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in, to and under an application for Letters Patent of the United States Serial No.______ filed on ______ for improvements in the METHOD FOR HOLDING SUBSTRATE IN VACUUM, METHOD FOR MANUFACTURING LIQUID CRYSTAL DISPLAY DEVICE, AND DEVICE FOR HOLDING SUBSTRATE (title) priority rights ensuing therefrom, and the inventions and any of them therein set forth and described, in any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, together with the right to apply for such Letters Patent.

And for the above consideration I agree promptly upon request of the Assignee, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, divisional, continuation or reissue, or other papers which may be necessary or desirable fully to secure to the Assignee, its successors and assigns, the inventions and any of them described in said application and all patent rights therein, in the United States and in any country foreign thereto.

The undersigned agree(s) to furnish all pertinent facts and documents relating to said application, said invention and said patent(s) as may be known and accessible to the undersigned, and will testify as to the same in any interference or litigation related thereto, and will promptly execute and deliver to Assignee any and all papers, instruments or affidavits necessary or desirable to apply for, obtain, maintain or enforce said application or said patent(s) in connection with any interference which may be declared, and any litigation concerning this application or any continuation, division or reissue thereof or Patent(s) or reissue patent(s) issued thereon, and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

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| The undersigned hereby authorize(s) and request(s) the Commissioner for Patents to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he or she has the full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith. |
|--|
| The undersigned hereby grants Edwards & Angell, LLP of P.O. Box 55874, Boston, MA 02205, U.S.A. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark, Office for recordation of this document. |
| I, Takao MURAYAMA, hereunto set my hand and seal this day of August 2004. |
| Takao Marayama |
| I, Akira HIRAI, hereunto set my hand and seal this 9 day of August, 2004. |
| akira Hirai |
| I, Satoshi YAWATA, hereunto set my hand and seal this 5 day of August, 2004. |
| Jawata Satoshi |
| I,, hereunto set my hand and seal this day of, 2004. |
| 200 4 . |

RECORDED: 09/03/2004

PATENT REEL: 016483 FRAME: 0894