

Docket No. 09792909-6393

Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 6/30/2005)**RECORDATION FORM COVER SHEET
PATENTS ONLY**U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Director of the U.S. Patents and Trademarks: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):
Shigekuni Dewa Masashi Yamada
Takuji Ohkubo Takashi NasuExecution Date(s) 1/27/06, 1/30/06, 2/2/06, 2/3/06Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License

☒ Other: Correction of assignment previously
recorded on Reel/Frame 017585/0904 - execution dates
for co-inventors Ohkubo, T. and Yamada, M.,
02/02/2006 and 01/30/2006 respectively

2. Name and address of receiving party(ies):

Sony Corporation
7-35 Kitashinagawa 6-Chome
Shinagawa-Ku, Tokyo, JAPAN

Additional name(s) & address(es) attached? ☐ Yes ☒ No4. Application patent number(s): ☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/289,225

B. Patent No.(s)

Additional numbers attached ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

David R. Metzger
Sonnenschein Nath & Rosenthal LLP
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Wacker Drive Station
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6. Total number of applications and patents involved: One7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- ☐ Authorized to be charged to credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

- a. Credit Card Last 4 Numbers 2000
Expiration Date 07/06
b. Deposit Account Number 19-3140
Authorized User Name David R. Metzger

9. Signature:

David R. Metzger
Name of Person Signing

David R. Metzger
Signature

May 25, 2006
Date

CH \$40.00 193140 11289225

02-23-2006

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PATENTS ONLY

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Authorized User Name David R. Metzger

9. Signature:

David R. Metzger
Name of Person SigningDavid R. Metzger
SignatureFebruary 17, 2006
DateTotal number of pages including cover sheet, attachments, and documents: Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450PATENT
REEL: 017680 FRAME: 0910

Docket Number: 09792909-6393

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in
LIQUID CRYSTAL DISPLAY APPARATUS AND COOLING DEVICE

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, Sony Corporation, a Japanese corporation with offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan (hereinafter referenced as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: Serial Number: 11/289,225, Filing Date: November 29, 2005.

This assignment executed on the dates indicated below.

Shigekuni DEWA

Name of first or sole inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of first or sole inventor

本村電報

06.01.27

Signature of first or sole inventor

Date of this assignment

Masashi YAMADA

Name of second inventor

Execution date of U.S. Patent Application

Kanagawa, Japan

Residence of second inventor

山田 将志

'06.01.30

Signature of second inventor

Date of this assignment

Takuji OHKUBO

Name of third inventor

Execution date of U.S. Patent Application

Chiba, Japan

Residence of third inventor

Takuji Ohkubo

'06.02.02

Signature of third inventor

Date of this assignment

Takashi NASU

Name of fourth inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of fourth inventor

Takashi Nasu

'06.02.03

Signature of fourth inventor

Date of this assignment

Name of fifth inventor

Execution date of U.S. Patent Application

Residence of fifth inventor

Signature of fifth inventor

Date of this assignment