

02-21-2003



102369075

U.S. DEPARTMENT OF COMMERCE

SHEET

Patent and Trademark Office  
Docket No. 492322006000

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**TOTTORI SANYO ELECTRIC CO., LTD.**  
101, 7-chome, Tachikawa-Cho,  
Tottori-ken, Tottori-shi  
JAPAN

- Individual(s)
- General Partnership
- Corporation-State
- Association
- Limited Partnership
- Other

Additional name(s) of conveying party(ies) attached?  Yes  No

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

Name: **SANYO ELECTRIC CO., LTD.**  
Address: 2-5-5, Keihanhondori,  
Moriguchi-shi, Osaka 570-8677  
JAPAN

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other:
- Merger
- Change of Name

Execution Date: January 30, 2003

4. Application number(s) or patent number(s):

**2/14/03**

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No. (s)

B. Patent No. (s)

10/206,800

Additional numbers attached?  Yes  No

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

Barry E. Bretschneider  
Morrison & Foerster LLP  
1650 Tysons Boulevard  
Suite 300  
McLean, Virginia 22102

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41): **\$40.00**

Authorized to be charged to deposit account, transmittal form is attached to this submission in duplicate or fee processing:  
Attorney Docket No. **492322006000**

8. Deposit account number: **03-1952**

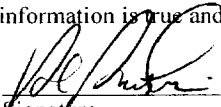
The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to **Deposit Account No. 03-1952**.

**DO NOT USE THIS SPACE**

9. Statement and signature.

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.

Name: Barry E. Bretschneider  
Registration No: 28,055

  
Signature

2/14/03  
Date

Total number of pages comprising cover sheet, attachments and document: 3

02/20/2003 ECDOPER 00000172 031952 10206800

01 FC:0021 40.00 CH

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

va-15172

**PATENT**  
**REEL: 013760 FRAME: 0200**

## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Tottori Sanyo Electric Company, Ltd., assignee of 50% of the entire right, title and interest in United States Patent Application Serial No. 10/206,800 (hereinafter designated as the "ASSIGNOR"), hereby assigns, transfers and sets over to:

Sanyo Electric Company, Ltd.  
2-5-5, Keihanhondori  
Moriguchi-Shi, Osaka 570-8677  
Japan

(hereinafter designated as the "ASSIGNEE"), its successors and assigns, its right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted therefor, including said application, and all United States Letters Patent which may be granted thereof, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of ASSIGNOR's right, title and interest in said Letters Patent when granted to be held by said ASSIGNEE, its successors, assigns or their legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been and enjoyed by the ASSIGNOR if this assignment had not been made, the application being known by the title:

### ACTIVE MATRIX DISPLAY DEVICE

Attorney Docket No.: 49232-20060.00.

1. The ASSIGNOR hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extension of interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.
2. The ASSIGNOR agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property of similar agreements.
3. The ASSIGNOR agrees to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.

4. The ASSIGNOR hereby authorizes and requests the Commissioner of Patents in the United States to issue any and all Letters Patent resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE.

5. The ASSIGNOR hereby grants to the firm of Morrision & Foerster LLP 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 United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date opposite the undersigned name.

Jan. 30, 2003

Date

Yoshio Takahama

Typed Name: Yoshio Takahama

Typed Title: General Manager

Intellectual Property Department

Tottori Sanyo Electric Company, Ltd.