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To the Honorable Commissioner of Patents and Trademarks: Please

102743826

Name of conveying party(ies):  
**Toshihide TSUBATA and Tsuyoshi TOKUDA**  
Additional name(s) of conveying party(ies) attached?  yes  no

2. Name and address of receiving party(ies):  
(2a.)  
Name: Sharp Kabushiki Kaisha  
Address: 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522, Japan

3. Name of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: **April 26 and 27, 2004**

(2b.)  
Name \_\_\_\_\_  
Address: \_\_\_\_\_  
Additional name(s) & address(es) attached?  yes  no

4. Application number(s) or patent number(s): **10840886**  
If this document is being filed together with a new application, the execution date of the application is: **May 8, 2004**

A. Patent Application No.(s) \_\_\_\_\_ B. Patent No.(s) \_\_\_\_\_  
Additional numbers attached  yes  no

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Joseph R. Keating, Esq.  
Internal Address: KEATING & BENNETT LLP  
Street Address: 10400 Eaton Place, Suite 312  
City: Fairfax State: VA ZIP 22030  
05/11/2004 FFANAI2 00000044 10840886  
04 FC:8021 40.00 DP

6. Total number of applications and patents involved: one  
7. Total fee (37 CFR 3.41):.....\$ 40.00  
 Enclosed  
 Authorized to be charged to credit card with Credit Card Payment Form (PTO-2038)  
 Authorized to be charged to deposit account  
8. Deposit account number: 50-1353

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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.  
Joseph R. Keating, Reg. No. 37,368 \_\_\_\_\_ May 8, 2004  
Name of Person Signing \_\_\_\_\_ Signature \_\_\_\_\_ Date  
Total number of pages comprising cover sheet, attachments and document: 2

Mail documents to be recorded with required cover sheet information to:  
Assistant Commissioner for Patents  
Box Assignment  
Washington, D.C. 20231

Attorney Docket No.: 70404.22

**ASSIGNMENT (WORLDWIDE)**

WHEREAS, We, Toshihide TSUBATA and Tsuyoshi TOKUDA  
(hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled  
**COLOR FILTER SUBSTRATE, METHOD OF MANUFACTURING THE COLOR  
FILTER AND DISPLAY DEVICE,**

for which application for Letters Patent of the United States has been

  X   executed on even date herewith;  
       filed on \_\_\_\_\_ as Serial No. \_\_\_\_\_.

WHEREAS, SHARP KABUSHIKI KAISHA, 22-22, Nagaike-cho, Abeno-ku, Osaka-  
shi, Osaka 545-8522 JAPAN (hereinafter referred to as ASSIGNEE), is desirous of acquiring  
the entire interest in, to and under said invention and the United States Letters Patent to be  
obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in  
consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00),  
the receipt of which is hereby acknowledged, and for other good and valuable consideration,  
ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title  
and interest to the said invention and all Letters Patent of the United States to be obtained  
therefor on said application or any continuation, division, renewal, substitute or reissue thereof  
for the full term or terms for which the same may be granted; and all Letters Patent and  
applications therefor through the world, including all the rights accruing by virtue of the  
International Convention for the Protection of Industrial Property.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has  
been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants 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 as may be known and accessible to ASSIGNOR and will testify as to the  
same in any interference or litigation related thereto and will promptly execute and deliver to  
ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to  
apply for, obtain, maintain and enforce said application, said invention and said Letters Patent  
which may be necessary or desirable to carry out the purposes hereof.

Dated: April 26, 2004

Toshihide Tsubata  
(Toshihide TSUBATA)

Dated: April 27, 2004

Tsuyoshi Tokuda  
(Tsuyoshi TOKUDA)