

02-12-2008

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OMB No. 0651-0027 (exp. 6/30/2008)

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RECORDATION FORM  
PATENTS



103481718

1-31-08

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

1. Name of conveying party(ies):

Eiji Koyama

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

2. Name and address of receiving party(ies)

Name: Sharp Kabushiki Kaisha

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

22-22 Nagaike-cho  
Abeno-ku Osaka-shi  
Osaka 545-8522  
JAPAN

City: \_\_\_\_\_

State: \_\_\_\_\_

Country: \_\_\_\_\_ Zip: \_\_\_\_\_

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s): January 10, 2008

Assignment  Merger  Change of Name

Security Agreement  Joint Research Agreement

Government Interest Assignment

Executive Order 9424, Confirmatory License

Other \_\_\_\_\_

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

This application

B. Patent No.(s)

Additional numbers attached?  Yes  No

12/012054

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

Name: David G. Conlin  
EDWARDS ANGELL PALMER & DODGE  
LLP

Internal Address: Atty. Dkt.: 81079(70820)

Street Address: P.O. Box 55874

City: Boston

State: MA Zip: 02205

Phone Number: (617) 517-5515

Fax Number: (888) 325-9129

Email Address: dconlin@eapdlaw.com

6. Total number of applications and patents involved:

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

Authorized to be charged by 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 \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 04-1105  
Authorized User Name David A. Tucker

9. Signature:

David A. Tucker  
Signature

January 31, 2008  
Date

David A. Tucker - 27,840  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

02/11/2008 DBYRNE 00000050 041105 12012054

01 FC:0021

40.00 DA

# Assignment

SERIAL NO. \_\_\_\_\_

FILED \_\_\_\_\_

*In consideration of* the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged,

Insert Name(s)  
of Inventor(s)

Eiji KOYAMA

(hereinafter designated as the undersigned) hereby sell(s) and assign(s) to

Insert Name  
of Assignee

SHARP KABUSHIKI KAISHA

Address of  
Assignee

of 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee), the entire right, title and interest in the invention or improvements in

AMPLIFYING-TYPE SOLID-STATE IMAGING DEVICE

Title of  
Invention

for which an application for Letters Patent of the United States of America has been executed by the undersigned

Date of Signing  
of Application

on January 10, 2008

The undersigned agree(s) to execute all papers necessary in connection with this application and an continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or letters patent or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

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 to the Assignee and to vest all rights therein hereby conveyed to said Assignee fully and entirely as the same would have been held by the undersigned if this assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and here covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he will not execute any agreement in conflict herewith.

PATENT

REEL: 020501 FRAME: 0545

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 2008 Jan 10, Name of Inventor Etji Kayama  
(signature)

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature)

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature)

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature)

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature)

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature)

Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature)

(This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed by at least two other persons who sign here.)

Witness Yuka Sugihara

Witness Haruo Wada

Witness \_\_\_\_\_

ACKNOWLEDGMENT

\_\_\_\_\_  
\_\_\_\_\_ }

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me  
personally appeared the above-named \_\_\_\_\_

to me personally known to be the individual(s) who executed the foregoing assignment, who did  
acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set  
forth.

Witness my hand and seal the day and year last above given.

(SEAL)

\_\_\_\_\_  
Official Signature

\_\_\_\_\_  
Official Title

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## RECORDATION FORM COVER SHEET PATENTS ONLY

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

|  |  |   |  |
|--|--|---|--|
| <b>1. Name of conveying party(ies):</b><br>Eiji Koyama<br><br>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |  | <b>2. Name and address of receiving party(ies)</b><br>Name: <u>Sharp Kabushiki Kaisha</u><br>Internal Address: _____<br>Street Address: _____<br><br>22-22 Nagaike-cho<br>Abeno-ku Osaka-shi<br>Osaka 545-8522<br>JAPAN<br><br>City: _____<br>State: _____<br>Country: _____ Zip: _____<br>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |  |
| <b>3. Nature of conveyance/Execution Date(s):</b><br>Execution Date(s): <u>January 10, 2008</u><br><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name<br><input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement<br><input type="checkbox"/> Government Interest Assignment<br><input type="checkbox"/> Executive Order 9424, Confirmatory License<br><input type="checkbox"/> Other _____ |  |   |  |
| <b>4. Application or patent number(s):</b><br>A. Patent Application No.(s)<br>This application<br><br>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |  | <input checked="" type="checkbox"/> This document is being filed together with a new application.<br>B. Patent No.(s)<br><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |  |
| <b>5. Name and address to whom correspondence concerning document should be mailed:</b><br>Name: <u>David G. Conlin</u><br><u>EDWARDS ANGELL PALMER &amp; DODGE</u><br><u>LLP</u><br><br>Internal Address: <u>Atty. Dkt.: 81079(70820)</u><br>Street Address: <u>P.O. Box 55874</u><br><br>City: <u>Boston</u><br>State: <u>MA</u> Zip: <u>02205</u><br>Phone Number: <u>(617) 517-5515</u><br>Fax Number: <u>(888) 325-9129</u><br>Email Address: <u>dconlin@eapdlaw.com</u>                        |  | <b>6. Total number of applications and patents involved:</b> <span style="border: 1px solid black; padding: 2px;">1</span><br><br><b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ <u>40.00</u><br><input type="checkbox"/> Authorized to be charged by credit card<br><input checked="" type="checkbox"/> Authorized to be charged to deposit account<br><input type="checkbox"/> Enclosed<br><input type="checkbox"/> None required (government interest not affecting title) |  |
|  |  | <b>8. Payment Information</b><br>a. Credit Card Last 4 Numbers _____<br>Expiration Date _____<br>b. Deposit Account Number <u>04-1105</u><br>Authorized User Name <u>David A. Tucker</u>  |  |
| <b>9. Signature:</b><br><br><u>David A. Tucker</u> _____ <u>January 31, 2008</u><br>Signature Date<br><br><u>David A. Tucker - 27,840</u> _____<br>Name of Person Signing Total number of pages including cover sheet, attachments, and documents: <span style="border: 1px solid black; padding: 2px;">4</span>   |  |   |  |