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Docket No.: 49198(904)

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Tab settings

101100543

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

1. Name of conveying party(ies):
**YASUSHI KUBOTA, ICHIRO SHIRAKI
TAMOTSU SAKAI, HIROSHI YONEDA
NOBUHIRO KUWABARA**

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: **June 24, 1999**

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: **June 24, 1999**

Patent Application No.	Filing date	B. Patent No.(s)

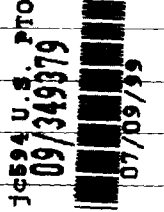
Additional numbers Yes No

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

Name: **SHARP KABUSHIKI KAISHA**
Address: **22-22 Nagaike-cho, Abeno-ku**

City: **Osaka** State/Prov.:
Country: **Japan** ZIP:

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



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

Name: **David G. Conlin**
Registration No. **27026**
Address: **Dike, Bronstein, Roberts & Cushman, LLP**
130 Water Street

City: **Boston** State/Prov.: **MA**
Country: **USA** ZIP: **02109**

6. Total number of applications and patents involved: **1**

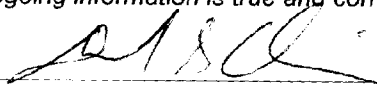
7. Total fee (37 CFR 3.41):.....\$ **40.00**

Enclosed - Any excess or insufficiency should be credited or debited to deposit account
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8. Deposit account number:
04-1105

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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.

David G. Conlin  **July 9, 1999**

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and **3**

ASSIGNMENT

We Yasushi KUBOTA
Ichiro SHIRAKI
and Tamotsu SAKAI
for good and valuable consideration from SHARP KABUSHIKI KAISHA
, a Japanese corporation,
having its principal place of business in Osaka, Japan
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 _____ * signed by us
for Improvements in IMAGE DISPLAY DEVICE

including all priority rights ensuing therefrom, and the inventions and any of them
therein set forth and described, and 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 we 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 hereby grant(s) the law firm of Dike, Bronstein, Roberts &
Cushman 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.

IN WITNESS WHEREOF, I, Yasushi KUBOTA, hereunto set my
hand and seal this 24th day of June, 1999, I, Ichiro
SHIRAKI, hereunto set my hand and seal this 24th day of June
1999, and I, Tamotsu SAKAI, hereunto set my hand and seal
this 24th day of June, 1999.

Yasushi Kubota
Ichiro Shiraki
Tamotsu Sakai

Commonwealth [State] of _____
County of _____ ss.

Before me this _____ day of _____, 19____, personally appeared
_____, who is to me personally known, and acknowledged
the foregoing instrument of assignment to be [her] his free act and deed.

Notary Public

Commonwealth [State] of _____
County of _____ ss.

Before me this _____ day of _____, 19____, personally appeared
_____, who is to me personally known, and acknowledged
the foregoing instrument of assignment to be [her] his free act and deed.

Notary Public

*Where the application is assigned before it is filed,
and hence has no Serial No., this shall be left blank.

ASSIGNMENT

We Hiroshi YONEDA
Nobuhiro KUWABARA
and
for good and valuable consideration from SHARP KABUSHIKI KAISHA
Osaka, Japan, a Japanese corporation,
having its principal place of business in Osaka, Japan
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 _____ * signed by us
for Improvements in IMAGE DISPLAY DEVICE

including all priority rights ensuing therefrom, and the inventions and any of them
therein set forth and described, and 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 we 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 hereby grant(s) the law firm of Dike, Bronstein, Roberts &
Cushman 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.

IN WITNESS WHEREOF, I, Hiroshi YONEDA, hereunto set my
hand and seal this 24th day of June, 1999, I, Nobuhiro
KUWABARA, hereunto set my hand and seal this 24th day of June
1999, and I, _____, hereunto set my hand and seal
this _____ day of _____, 19__.

Hiroshi Yoneda
Nobuhiro Kuwabara

Commonwealth [State] of _____
County of _____ ss.

Before me this _____ day of _____, 19__, personally appeared
_____, who is to me personally known, and acknowledged
the foregoing instrument of assignment to be [her] his free act and deed.

Notary Public

Commonwealth [State] of _____
County of _____ ss.

Before me this _____ day of _____, 19__, personally appeared
_____, who is to me personally known, and acknowledged
the foregoing instrument of assignment to be [her] his free act and deed.

Notary Public

*Where the application is assigned before it is filed,
and hence has no Serial No., this shall be left blank.