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10-22-1999



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U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
**TAKESHI MUTOH, SETSUYA KOBAYASHI,
TAKAYUKI AMAGAI, SEIJI KOHASHIKAWA,
TAKAHIRO DAIDO**

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: **September 22, 1999**

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

1525 U.S. PTO
09/414736
10/08/99

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: **September 22, 1999**

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

09/414736

Additional numbers 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

Authorized to be charged to deposit account

8. Deposit account number:

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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.

Peter F. Corless

October 8, 1999

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and

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PATENT

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A S S I G N M E N T

We Takeshi MUTOH
Setsuya KOBAYASHI
and Takayuki AMAGAI
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-PROCESSING APPARATUS AND IMAGE-PROCESSING METHOD
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, Takeshi MUTOH, hereunto set my
hand and seal this 22nd day of September, 1999, I, Setsuya
KOBAYASHI, hereunto set my hand and seal this 22nd day of September
1999, and I, Takayuki AMAGAI, hereunto set my hand and seal
this 22nd day of September, 1999.

Takeshi Mutoh
Setsuya Kobayashi
Takayuki Amagai

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.

