



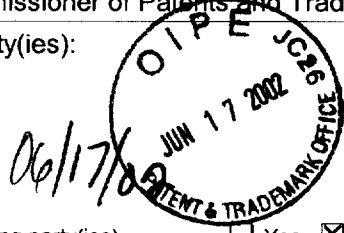
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Kensaku KAGECHI
Hisashi SAIGA
Keisuke IWASAKI



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

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

Name: **SHARP KABUSHIKI KAISHA**

Address: **22-22 Nagaike-cho, Abeno-ku, Osaka-shi**

3. Nature of conveyance:

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

Execution Date: **April 1, 2002**

City: **Osaka** State/Prov.: _____

Country: **JAPAN** ZIP: **545-8522**

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

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

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

Patent Application No.	Filing date
10/070,957	March 12, 2002

B. Patent No.(s)

Additional numbers Yes No

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

Name: **Timothy Carter Pledger**

Registration No. **29,424**

Address: **Dike, Bronstein, Roberts & Cushman**

Intellectual Property Practice Group, Edwards & Angell

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City: **Boston** State/Prov.: **MA**

Country: **USA** ZIP: **02209**

06/24/2002 00000097 10070957

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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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.

Timothy Carter Pledger

June 10, 2002

Name of Person Signing

Signature

5

Date

Total number of pages including cover sheet, attachments, and

Attorney's Docket No.: 72012/57217**Assignment of Application**

WHEREAS, I (WE) Kensaku KAGECHI of 556, Rapport Tenri, 2613-1, Ichinomoto-cho, Tenri-shi, Nara 632-0004 Japan, Hisashi SAIGA of 8-1-103, Nogaito-cho, Yamatokoriyama-shi, Nara 639-1131 Japan and Keisuke IWASAKI of 6-9-15, Tatsutanishi, Ikaruga-cho, Ikoma-gun, Nara 636-0154 Japan

_____, respectively,
have invented certain new and useful improvements in: _____

IMAGE ENCODING DEVICE

for which an application for Letters Patent was executed on April 1, 2002
(Application No. 10/070,957, filed March 12, 2002), and

WHEREAS, SHARP KABUSHIKI KAISHA

(hereinafter referred to as "ASSIGNEE") having a place of business at: 22-22,
Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any official of any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, 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 held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its legal

representatives and assigns covenant and any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Dike, Bronstein, Roberts & Cushman Intellectual Property Group of Edwards & Angell, LLP of 101 Federal Street, Boston, Massachusetts 02110-1800 U.S.A. the power to insert on this assignment any further identification, including the application number and filing date, 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.

Date: April 1, 2002

Kensaku Kagechi

(Signature of inventor) Kensaku KAGECHI

Date: April 1, 2002

Hisashi Saiga

(Signature of inventor) Hisashi SAIGA

Date: April 1, 2002

Keisuke Iwasaki

(Signature of inventor) Keisuke IWASAKI