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Atty. Docket No.: 1254-152P

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09/325752  
06/04/99

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

1. Name of conveying party(ies):

SHIRAISHI, Kenichi; KAWAMOTO, Hiroshi;  
TAKESHIMA, Hiroaki; FUJII, Mamoru; KUMAGAI,  
Akihiko

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, Nagaikecho, Abeno-ku, Osaka-shi,

City: Osaka State: ZIP:

Country: Japan Postal Code: 545-8522

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

3. Nature of conveyance:

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

Execution Date: May 28, 1999

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

If this document is being filed together with a new application, the execution date of the application is: May 28, 1999

A. Patent Application No(s).

New

B. Patent No.(s).

*09/325752*

Additional numbers attached?  Yes  No

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

Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP

Street Address: P.O. BOX 747

City: FALLS CHURCH State: VA ZIP: 22040-0747

Country: USA

6. Total No. of applications/patents involved: One (1)

7. Total fee (37 C.F.R. § 3.41): \$40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number: 02-2448

(Attach triplicate copy of this page if paying by deposit account)

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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.*

Charles Gorenstein, #29,271

Name of Person Signing/Reg. No.

Signature

June 4, 1999

Date

Total number of pages including cover sheet, attachments, and document: Three (3)

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, DC 20231

CG/dlg

PATENT  
REEL: 010030 FRAME: 0477

**Assignment of Application**

WHEREAS, I (WE) Kenichi SHIRAISHI of G-202, 1-18, Tomiokita, Nara-shi, Nara 631-0076 Japan, Hiroshi KAWAMOTO of 273, Sugimoto-cho, Tenri-shi, Nara 632-0078 Japan, Hiroaki TAKESHIMA of 1177, Kanmaki, Kanmaki-cho, Kitakatsuragi-gun, Nara 636-0000 Japan, Mamoru FUJII of 1-4-78, Jingu, Nara-shi, Nara 631-0804 Japan and Akihiko KUMAGAI of 3-2-30, Midoridai, Kawanishi-shi, Hyogo 666-0129 Japan

\_\_\_\_\_, respectively,  
have invented certain new and useful improvements in: FACSIMILE

for which an application for Letters Patent was executed on \_\_\_\_\_  
(Application No. \_\_\_\_\_, filed \_\_\_\_\_), and

WHEREAS, Sharp Kabushiki Kaisha  
(hereinafter referred to as "ASSIGNEE") having a place of business at: 22-22, Nagaikecho, 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 BIRCH, STEWART, KOLASCH & BIRCH, LLP of 8110 Gatehouse Road, Suite 500 East, Falls Church, Virginia 22042 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: May 28, 1999      Kenichi Shiraishi  
 (Signature of inventor) Kenichi SHIRAIISHI

Date: May 28, 1999      Hiroshi Kawamoto  
 (Signature of inventor) Hiroshi KAWAMOTO

Date: May 28, 1999      Hiroaki Takeshima  
 (Signature of inventor) Hiroaki TAKESHIMA

Date: May 28, 1999      Mamoru Fujii  
 (Signature of inventor) Mamoru FUJII

Date: May 28, 1999      Akihiko Kumagai  
 (Signature of inventor) Akihiko KUMAGAI