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FORM PTO-1585  
(Rev. 8-93)  
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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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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):

Akira TAKAHASHI  
Hiroki SHIOZAWA

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

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

Name: HEIWA TOKEI MANUFACTURING CO., LTD.

Internal Address:

Street Address: 435, Shimotonooka

City: Iida-shi, Nagano-ken, Japan State: ZIP:

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: April 16, 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: April 16, 1999

A. Patent Application No.(s)

B. Patent No.(s)

09/310748

Additional numbers attached?  Yes  No

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

Name: DENNISON, MESEROLE, SCHEINER & SCHULTZ

Internal Address:

Street Address: 1745 Jefferson Davis Highway

City: Arlington State: VA ZIP: 22022

6. Total number of applications and patents involved: 1

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

- Enclosed (IF NECESSARY)
- Authorized to be charged to deposit account/

8. Deposit account number:

04-0753

(Attach duplicate 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.

William H. Meserole

*William H. Meserole*

May 13, 1999

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to:  
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Washington, D.C. 20231

(Form PTO-1585-Recordation Form Cover Sheet - page 1 of 3)

PATENT  
REEL: 009967 FRAME: 0476

# ASSIGNMENT

United States (Sole or Joint)  
(Excluding Foreign Rights)

WHEREAS, I/We, Akira TAKAHASHI and  
Hiroki SHIOZAWA

residing at c/o HEIWA TOKEI MANUFACTURING CO., LTD.  
435, Shimotonooka, Iida-shi, Nagano-ken, Japan

have invented certain new and useful improvements in  
THERMAL PRINTER

for which an application for United States Letters Patent was executed by the  
undersigned on April 16, 1999

WHEREAS, HEIWA TOKEI MANUFACTURING CO., LTD.

having a place of business at 435, Shimotonooka, Iida-shi,  
Nagano-ken, Japan

hereinafter called the "Assignee", 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  
therefor, in the United States and its territorial possessions.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other  
valuable considerations, the receipt whereof is hereby acknowledged, I/we have sold,  
assigned and transferred, and by these presents do sell, assign, transfer and confirm in  
and to said Assignee my/our full and exclusive right to the said invention in the United  
States and its territorial possessions and my/our entire right, title and interest in and to  
said application and any and all Letters Patent which may be granted therefor in the  
United States and its territorial possessions and in and to any and all divisions, reissues,  
continuations and extensions thereof.

I/We hereby authorize and request the Patent Office Officials in the United States to  
issue any and all of said Letters Patent, when granted, to said Assignee for the sole use  
and behoof of the said Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/we have hereunto set my/our hand(s).

Inventor(s):

Date:

Akira Takahashi Apr. 16, 1999

Hiroki Shiozawa Apr. 16, 1999

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