

04-26-2001

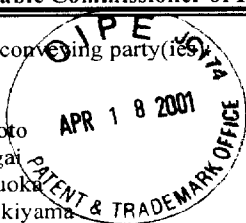


To the Honorable Commissioner of Patents and Trademarks. Please record the attach

101690336

1. Name of conveying party(ies)

Takuji Torii
Nobuhiro Noto
Kenichi Kugai
Takao Matsuoka
Yoshitaka Akiyama
Kazuaki Akimoto
Nobuhiro Kurosawa
Yasuo Takano



MIZ
4.18.01

Additional names of conveying party(ies) attached?

☐ yes ☒ no

3. Nature of Conveyance

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

Execution Date: February 25, 1998

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

Name: Hitachi Koki Co., Ltd.

Internal Address:

Street Address: No. 6-2, Ootemachi 2-chome, Chiyoda-ku
City: Tokyo
Country: Japan

Additional name(s) & address(es) attached? ☐ yes ☒ no

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

Title: MULTI-NOZZLE INK JET HEAD WITH DUMMY PIEZOELECTRIC ELEMENTS AT BOTH ENDS OF A
PIEZOELECTRIC ELEMENT ARRAY FOR CONTROLLING THE FLOW OF ADHESIVE ABOUT THE PIEZOELECTRIC
ELEMENT ARRAY

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

A. Patent Application No(s). 09/031,597 filed on February 27, 1998 B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

Andrew M. Calderon, Esq.
McGuireWoods LLP
1750 Tysons Boulevard, Suite 1800
McLean, Virginia 22102

6. Total number of applications and patents involved: 1

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

- ☒ Authorized to be charged to deposit account
☐ Total fee due
☒ Any deficiencies in the enclosed fees

8. Deposit account number:
23-1951

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.

Andrew M. Calderon
Name of Person Signing

Signature

April 18, 2001
Date

Total number of pages including cover sheet: 4

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS

Takuji TORII, Nobuhiro NOTO, Kenichi KUGAI, Takao MATSUOKA
Yoshitaka AKIYAMA, Kazuaki AKIMOTO, Nobuhiro KUROSAWA
and Yasuo TAKANO

NAME AND ADDRESS
OF ASSIGNOR(S)

Hitachinaka-shi, Ibaraki-ken, Japan

(HEREINAFTER REFERRED TO AS ASSIGNOR), have
invented and own a certain invention
entitled:

TITLE OF INVENTION:

MULTI-NOZZLE INK JET HEAD WITH DUMMY PIEZOELECTRIC
ELEMENTS AT BOTH ENDS OF A PIEZOELECTRIC ELEMENT
ARRAY

for which application for Letters Patent of
the United States has been executed on even
date herewith,

WHEREAS

FULL NAME AND ADDRESS
OF ASSIGNEE

HITACHI KOKI CO., LTD.
No.6-2, Ootemachi 2-chome, Chiyoda-ku, Tokyo, Japan

(hereinafter referred to as ASSIGNEE), is
desirous of acquiring the entire interest
in, to and under said invention and the
United States Letters Patent to be obtained
therefor:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:
Be it known that in consideration of the
payment of ASSIGNEE to ASSIGNOR of the sum
of One Dollar (\$1.00), the receipt of which
is hereby acknowledged, and for other good
and valuable consideration, ASSIGNOR hereby
sells, assigns and transfers to ASSIGNEE the

full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

DATE OF SIGNIG

Signed this 25th day of
February, 1998.

Takuji Torii SIGNATURE
Takuji TORII

Nobuhiro Noto SIGNATURE
Nobuhiro NOTO

Kenichi Kugai SIGNATURE
Kenichi KUGAI

Takao Motenaka SIGNATURE
Takao MATSUOKA

Yoshitaka Akiyama SIGNATURE
Yoshitaka AKIYAMA

Kazuaki Akimoto SIGNATURE
Kazuaki AKIMOTO

(Assignment of Application for Patent -- page 2 of 3)

PATENT
REEL: 011715 FRAME: 0278

Nobuhiro Kurosawa
Nobuhiro KUROSAWA

SIGNATURE

Yasuo Takano
Yasuo TAKANO

SIGNATURE

(Assignment of Application for Patent -- page 3 of 3)

RECORDED: 04/18/2001

PATENT
REEL: 011715 FRAME: 0279