

FORM PTO-1595

8-24-04



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

To the Honorable Director of Patents and Trademarks

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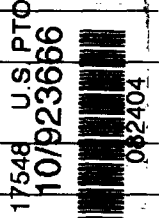
documents or copy thereof.

1. Name of Conveying party(ies):
INOUE, Hiroyasu
MISHIMA, Koji
AOSHIMA, Masaki
HIRATA, Hideki
UTSUNOMIYA, Hajime

2. Name and address of receiving party(ies)

Name: TDK Corporation

Internal
Address:



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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Street

Address: 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan

Execution Date: July 12, 12, 13, 13, and 13, 2004

City: _____ State: _____ ZIP: _____

Additional names(s) and address(es) attached? Yes No

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: July 12, 12, 13, 13, and 13, 2004

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached: Yes No

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

Name: Bruce H. Bernstein

Internal Address: P25837

Street Address: GREENBLUM & BERNSTEIN, P.L.C.

1950 Roland Clarke Place

City: Reston State: VA ZIP: 20191

6. Total number of applications and patents involved: 1

7. Total Fee (37CFR 3.41): 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

19-0089

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

DO NOT USE THIS SPACE

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.

Bruce H. Bernstein, Reg. No. 29,027
Name of Person Signing

[Signature]
Signature

8/23/04
Date

Total number of pages including cover sheet, attachments and document: 4

Mail documents to be recorded with required cover sheet information to:
Director of the United States Patent and Trademark Office, Mail Stop Assignments
220 20th Street S. Customer Window,
Crystal Plaza Two, Lobby, Room 1B03
Arlington, VA 22202

Assignment for more than one inventors

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ASSIGNMENT

WHEREAS, **Hiroyasu INOUE**, a citizen of Japan, whose post office address is c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan, **Koji MISHIMA**, a citizen of Japan, whose post office address is c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan, **Masaki AOSHIMA**, a citizen of Japan, whose post office address is c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan, **Hideki HIRATA**, a citizen of Japan, whose post office address is c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan, and **Hajime UTSUNOMIYA**, a citizen of Japan, whose post office address is c/o TDK Corporation, 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

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for which they have jointly executed an application for Letters Patent of the United States to be filed in the United States Patent and Trademark Office.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the attorneys of record in this application including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, James L. Rowland, Reg. No. 32,674, Stephen M. Roylance, Reg. No. 31,296, Leslie J. Paperner, Reg. No. 33,329, William Pieprz, Reg. No. 33,630, and William E. Lyddane, Reg. No. 41,568, of the firm Greenblum & Bernstein, P.L.C., whose address is 1950 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. _____, filed _____) the filing date and application number of said application when known.

AND WHEREAS, **TDK Corporation**, a corporation organized and existing under the laws of the State of Japan, whose post-office address is 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefore, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any

Witnessed by:

Name Date

Masaki Aoshima 13/07/2004
Masaki AOSHIMA Date

Name Date

Witnessed by:

Name Date

Hideki Hirata 13/July/2004
Hideki HIRATA Date

Name Date

Witnessed by:

Name Date

Hajime Utsunomiya 13. July. 2004
Hajime UTSUNOMIYA Date

Name Date