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ID 003203

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U.S. DEPARTMENT OF COMMERCE
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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):

NEC CORPORATION
7-1, Shiba 5-chome
Minato-ku, Tokyo 108-8001
Japan



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

TDK Corporation
1-13-1, Nihonbashi, Chuo-ku
Tokyo 103-8272, Japan

1-16-03

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

3. Nature of conveyance:

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

Execution Date: December 27, 2002

Additional name(s) & 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:

A. Patent Application No.(s)

- 08/855,279, filed 5/13/1997
- 08/919,124, filed 8/28/1997
- 09/447,582, filed 11/23/1999
- 09/756,882, filed 1/10/2001
- 09/911,710, filed 7/25/2001

B. Patent No.(s)

Additional numbers attached? Yes No

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

SUGHRUE MION, PLLC
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PATENT TRADEMARK OFFICE

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6. Total number of applications and patents involved:

5

7. Total fee (37 CFR 3.41): \$200.00

- Enclosed.
- Authorized to be charged to Deposit Account No. 19-4880.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said 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.

Howard L. Bernstein

Reg. No. 25,665

January 16, 2003

Date

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

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks

Box Assignment

Washington, D.C. 20231

ID 003203 - JFO (1 of 3)

PATENT
REEL: 013668 FRAME: 0865

PATENT APPLICATION ASSIGNMENT

WHEREAS, NEC Corporation, a Japanese corporation, having its principal place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001, Japan is the owner and assignee of record of the patent applications listed below;


WHEREAS, TDK Corporation, a Japanese corporation, having its principal place of business at 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272, Japan is desirous of obtaining the entire right, title, and interest in the patent applications listed below and inventions disclosed therein, and to any United States patents to be obtained therefor;

NOW, THEREFORE, for valuable consideration, receipt of which is hereby acknowledged, NEC Corporation, hereby sells, assigns and transfers to TDK Corporation, its successors and assigns, the Assignor's entire right, title and interest including rights to recover for past infringement in the below listed patent applications, the inventions disclosed therein, and to any and all patents for the United States of America, which may be granted thereon, and requests the Director- U.S. Patent and Trademark Office to issue any Letters Patents granted upon the inventions set forth in said Applications to the Assignee herein, its successors and assigns; and Assignor will execute without further consideration all papers deemed necessary by the Assignee in connection with said United States patent applications when called upon to do so by the Assignee.

<u>Serial No.</u>	<u>Filing Date</u> (Year/Month/Day)
08/855279	1997/5/13
09/447582	1999/11/23
08/919124	1997/8/28
09/911710	2001/7/25
09/756882	2001/1/10

IN WITNESS WHEREOF, NEC Corporation has executed this Assignment by proper persons duly authorized.

Attest: Y. Nakamura

NEC Corporation

 Masao Maruyama
 Chief Manager
 Planning Division
 Intellectual Asset Operations Unit
 Date: DEC. 27, 2002