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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office
Docket No. 740145-0

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

1. Name of conveying party(ies):
Ushio Research Institute of Technology, Inc.
(Kabushiki Kaisha Ushio Sougou Gijyutsu Kenkyusho)

8-27-02

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: June 4, 2002

2. Name and address of receiving party(ies)

Name: Ushiodenki Kabushiki Kaisha

Internal Address:

Street Address: 19th Floor, Asahitokai Bldg., 6-3, Ohtemachi 2-chome, Chiyoda-ku

City: Tokyo State: Zip:

Country: Japan Postal Code: 100-0004

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)
09/308,234 09/741,079 09/803,983
~~09/680,325~~ 09/761,690
09/732,017 09/778,897

B. Patent No.(s)
6,414,784

Additional numbers attached? Yes No

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

Attorney Name: David S. Safran, Reg. No. 27,997
Firm Name: Nixon Peabody LLP
Internal Address: Suite 800
Street Address: 8180 Greensboro Drive,
City: McLean State: VA Zip: 22102

7. Total number of applications and patents involved: 8

8. Total fee (37 CFR 3.41).....\$320.00

Enclosed
 Authorized to be charged to deposit account

6. Submission Type

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10. 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.

David S. Safran
Name of Person Signing

Signature

August 22, 2002
Date

Total number of pages including cover sheet, attachments, and documents: 3

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, Washington, DC 20231, on August 22, 2002

Name: K.M. McManus

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PATENT
REEL: 13221 FRAME: 0137

ASSIGNMENT

WHEREAS, Ushio Research Institute of Technology, Inc. (Kabushiki Kaisha Ushio Sougou Gijyutsu Kenkyusho) (hereinafter referred to as the Assignor), is the sole owner of the inventions described and claimed in:

- U.S. Patent Application No. 09/308234, filed July 19, 1999, by virtue of an assignment recorded in the U.S. Patent and Trademark Office on June 28, 2000;
- U.S. Patent No. 6,414,784 (corresponding to U.S. Patent Application No. 09/537714), filed March 30, 2000, by virtue of an assignment recorded in the U.S. Patent and Trademark Office on March 30, 2000;
- U.S. Patent Application No. 09/680325, filed October 06, 2000, by virtue of an assignment recorded in the U.S. Patent and Trademark Office on January 17, 2001;
- U.S. Patent Application No. 09/732017, filed December 08, 2000, by virtue of an assignment recorded in the U.S. Patent and Trademark Office on December 08, 2000;
- U.S. Patent Application No. 09/741079, filed December 21, 2000, by virtue of an assignment recorded in the U.S. Patent and Trademark Office on December 21, 2000;
- U.S. Patent Application No. 09/761690, filed January 18, 2001, by virtue of an assignment recorded in the U.S. Patent and Trademark Office on January 18, 2001;
- U.S. Patent Application No. 09/778897, filed February 08, 2001, by virtue of an assignment recorded in the U.S. Patent and Trademark Office on February 08, 2001;
- U.S. Patent Application No. 09/803983, filed March 13, 2001, by virtue of an assignment recorded in the U.S. Patent and Trademark Office on March 13, 2001;

WHEREAS Ushiodenki Kabushiki Kaisha, having place of business at 19th Floor, Asahitokai Bldg., 6-1, Ohtemachi 2-chome, Chiyoda-ku, 100-0004 Tokyo, Japan (hereinafter referred to as the Assignee) is desirous of acquiring the Assignor's right, title and interest in and to the said patent and patent applications.

[cont. page 2]

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor hereby assigns, transfers and conveys to the Assignee its right, title and interest in and to the said patent and patent applications.

Assignor: Ushio Research Institute of Technology, Inc.
(Kabushiki Kaisha Ushio Sougou Gijyutsu Kenkyusho)

Date: June 4, 2002

By: Akihiro Tanaka

Name: Akihiro Tanaka

Title: President

Witness M. Bohata

Witness N. Kobayashi

Assignee: Ushiodenki Kabushiki Kaisha

Date: June 4, 2002

By: Akihiro Tanaka

Name: Akihiro Tanaka

Title: President

Witness M. Bohata

Witness J. Hasegawa