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ID 0466 02 (2 of 2)

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U.S. DEPARTMENT OF COMMERCE

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102271029

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):

NEC MICROWAVE TUBE, LTD.

1120, Shimokuzawa

Sagamihara-shi, Kanagawa-ken 229-1134, Japan

16.30 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: October 10, 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)

09/808,041, 09/960,767, and 09/849,527

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

2100 Pennsylvania Avenue, N.W.

Suite 800

Washington, D.C. 20037-3213

6. Total number of applications and patents involved:

3

7. Total fee (37 CFR 3.41):

\$120.00

☒ 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.

8. Deposit Account Number:

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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.

J. Frank Osha

Reg. No. 24,625

October 30, 2002

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

JFO - ID 046602

11/04/2002 LMUELLER 00000148 09808041

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PATENT
REEL: 013440 FRAME: 0170

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, NEC Microwave Tube, Ltd. , a Japanese corporation, having its principal place of business at 1120, Shimokuzawa, Sagamihara-shi, Kanagawa-ken 229-1134, 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 NEC Microwave Tube, Ltd. , 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)
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09/808041	2001.03.15
09/960767	2001.09.24
09/849527	2001.05.07

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

Attest:

NEC Corporation

Masao Maruyama

Chief Manager

Planning Division

Intellectual Asset Operations Unit

Date: October 10, 2002