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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



Attorney Docket No.: 43890-387

101255064

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

1. Name of conveying party(ies): **Keiichi NAKAO, Satoshi TOMIOKA, and Hideyuki OKINAKA**

2. Name and address of receiving party(s):  
**Matsushita Electric Industrial Co., Ltd.  
1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 JAPAN**

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

Additional name(s) & address(es) attached? Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment  
Merger  
Security Agreement  
Change of Name  
Other

Execution Date: December 14, 1999

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) **09/381,655**

B. Patent No.(s)

Additional numbers attached? No

09/381655

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

Michael E. Fogarty, Esq.  
McDermott, Will & Emery  
600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005

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

8. Deposit Account No: 13-0203

(Attached duplicate copy of this page if paying by 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.**

Michael E. Fogarty, No. 36,139  
Name of Person Signing

Signature/Date: December 21, 1999

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

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

PATENT  
REEL: 010508 FRAME: 0169

Attorney Docket No.: 43890-387

**ASSIGNMENT**

WHEREAS, Keiichi NAKAO, Satoshi TOMIOKA, and Hideyuki OKINAKA, hereinafter called the "Assignor," has invented a new and useful invention entitled **INK FOR ELECTRONIC COMPONENT, MANUFACTURING METHOD OF ELECTRONIC COMPONENT BY USING THE INK FOR ELECTRONIC COMPONENT, AND INK JET DEVICE**, for which he has:

- (a) filed an application for United States Letters Patent on **22 September 1999** as (Serial No. 09/381,655); or
- (b) executed an application for United States Letters Patent on \_\_\_\_\_; or
- (c) filed a provisional application on \_\_\_\_\_ as (Serial No. \_\_\_\_\_); and

WHEREAS, Matsushita Electric Industrial Co., Ltd., a corporation organized and existing under the laws of Japan, having a place of business at: **1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 JAPAN**, hereinafter called the "Assignee," is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under any Letters Patent which may be obtained to said invention, as hereinafter more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient considerations, the receipt of which by said Assignor from the said Assignee is hereby acknowledged, the said Assignor has sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, the entire, right, title and interest for the United States in and to the invention and application hereinabove identified, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent therefor, in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said inventions may issue.

And the said Assignor does hereby covenant and agree, for himself and his legal representatives, that he will assist the said Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinabove set forth; in vesting in the said Assignee like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patent herein contemplated; and that they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this Assignment.

The undersigned hereby grant(s) the attorneys of McDermott, Will & Emery the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the said Assignor has hereunto set his hands and affixed his seal.

Date: December 14, 1999  
(Seal)

Keiichi Nakao  
Keiichi NAKAO

Date: December 14, 1999  
(Seal)

Satoshi Tomioka  
Satoshi TOMIOKA

Date: December 14, 1999  
(Seal)

Hideyuki Okinaka  
Hideyuki OKINAKA