

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

06-18-2001



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Department of Commerce  
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PATENT

09/831934  
5 MAY 2001

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- ☒ New  
☐ Resubmission (Non-Recordation)  
Document ID #   
☐ Correction of PTO Error  
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05/15/01

**Conveyance Type**

- ☒ Assignment  
☐ License  
☐ Merger  
☐ Security Agreement  
☐ Change of Name  
☐ Other   
**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)  
☐ Departmental File ☐ Secret File

**Conveying Party(ies)**

☒ Mark if additional names of conveying parties attached

Name (line 1) Shigeyuki TAKAO

Execution Date  
Month Day Year  
05 11 2001

Name (line 2)

**Second Party**

Name (line 1) Osamu WATANABE

Execution Date  
Month Day Year  
05 11 2001

Name (line 2)

**Receiving Party**

☐ Mark if additional names of receiving parties attached

Name (line 1) MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

Name (line 2)

Address (line 1) 1006, Oaza Kadoma

Address (line 2) Kadoma-shi

Address (line 3) Osaka

JAPAN

571-8501

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

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Name

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**PATENT**  
**REEL: 011886 FRAME: 0866**

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JC18 Rec'd PCT/PTO 15 MAY 2001

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Expires 06/30/99  
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U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

**Correspondent Name and Address**

Area Code and Telephone Number

(248) 641-1600

Name Gregory A. Stobbs

Address (line 1) Harness, Dickey & Pierce, P.L.C.

Address (line 2) P. O. Box 828

Address (line 3) Bloomfield Hills, MI 48303

Address (line 4)

**Pages**

Enter the total number of pages of the attached conveyance document including any attachments

# 2

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached.

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09/831934					

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year  
05 11 2001

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number as not been assigned.

PCT JP00/06290

PCT

PCT

PCT

PCT

PCT

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40.00

Method of Payment:

Enclosed ☒

Deposit Account ☐

Deposit Account

Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 08-0750

Authorization to charge additional fees:

Yes ☒

No ☐

**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. Charges to deposit account are authorized, as indicated herein.

Gregory A. Stobbs

Name of Person Signing

*Gregory Stobbs*  
Signature

May 15, 2001  
Date

PATENT  
REEL: 011886 FRAME: 0867

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Patent and Trademark Office  
**PATENT**

**Conveying Party(ies)**

☐ Mark if additional names of conveying parties attached

**Enter additional Conveying Parties**

Name (line 1)	Kenji TOMITA	Execution Date Month Day Year 05 11 2001
Name (line 2)		
Name (line 1)	Hiroyuki MATSUO	Execution Date Month Day Year 05 11 2001
Name (line 2)		
Name (line 1)		Execution Date Month Day Year
Name (line 2)		

**Receiving Party(ies)**

☐ Mark if additional names of receiving parties attached

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Address (line 1)		
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Address (line 3)	City State/Country	Zip Code
Name (line 1)		<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)
Name (line 2)		
Address (line 1)		
Address (line 2)		
Address (line 3)	City State/Country	Zip Code

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

**Patent Number(s)**


## ASSIGNMENT

WHEREAS, Shigeyuki TAKAO, Osamu WATANABE, Kenji TOMITA, Hiroyuki MATSUO (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in INK JET HEAD, METHOD FOR FABRICATING THE SAME, AND INK JET RECORDING DEVICE for which the undersigned has (have):

- (a) filed an application for Letters Patent of the United States of America on \_\_\_\_\_ having Serial No. \_\_\_\_\_; or
- (b) executed an application for Letters Patent of the United States of America on the date(s) indicated below; and

WHEREAS, Matsushita Electric Industrial Co., Ltd. of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, Japan its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to the application and any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims under or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to the Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

This Assignment has been executed by the undersigned on the date(s) indicated.

Date: May 11, 2001, Shigeyuki Takao.  
**Shigeyuki TAKAO**

Date: May 11, 2001, Osamu Watanabe  
**Osamu WATANABE**

Date: May 11, 2001, Kenji Tomita  
**Kenji TOMITA**

Date: May 11, 2001, Hiroyuki Matsuo  
**Hiroyuki MATSUO**

Date: \_\_\_\_\_, \_\_\_\_\_

Date: \_\_\_\_\_, \_\_\_\_\_

Date: \_\_\_\_\_, \_\_\_\_\_

Date: \_\_\_\_\_, \_\_\_\_\_