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To the Honorable Commissioner of Patents

1. Name of conveying party(ies):

Koji SHIGEMURA

3-19-99

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

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

Name: NEC CORPORATION

Internal Address:

Street Address: 7-1, Shiba 5-chome, Minato-ku

City: Tokyo, State: Japan ZIP:

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

3. Nature of conveyance:

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Execution Date: March 9, 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:

March 9, 1999

A. Patent Application No.(s)

B. Patent No.(s)

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

Name: David A. Blumenthal

Internal Address: FOLEY & LARDNER

Street Address: 3000 K Street, N.W., Suite 500

City: Washington, State: D.C. ZIP: 20007-5109

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41). . . . . \$40.00

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for/ Phillip J. Anticola  
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March 19, 1999  
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**PATENT**  
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For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

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NEC Corporation  
7-1, Shiba 5-chome, Minato-ku,  
Tokyo, Japan  
(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to this invention relating to

title of  
invention

INK JET RECORDING HEAD AND MANUFACTURING METHOD THEREOF  
  
as set forth in this United States Patent Application

check one

- executed concurrently herewith
- executed on \_\_\_\_\_
- Serial No. \_\_\_\_\_ Filed \_\_\_\_\_


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Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of **FOLEY & LARDNER** the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

NAMES AND SIGNATURES OF INVENTORS		
Name: KOJI SHIGEMURA	Signature: <i>Koji Shigemura</i> 	Date: 3/9/99
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NAMES AND SIGNATURES OF WITNESSES		
Name:	Signature: <i>Tadashi Takigawa</i>	Date: 3/9/99
Name:	Signature: <i>[Signature]</i>	Date: 3/9/99

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