

FORM PTO-1595 (modified)

05-13-2003

U.S. DEPARTMENT OF COMMERCE

(Rev. 6-93)

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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copies thereof.

<p>1. Name of conveying party(ies):</p> <p style="text-align: center; font-size: 2em;">5.6.03</p> <p>Yoshihisa SUDA Noboru KANBA Atsushi SATO Kunitaka YAMADA</p> <p>Additional conveying party(ies) NO</p>	<p>2. Name and address of receiving party(ies):</p> <p>MITSUBISHI PENCIL CO., LTD. 23-37, 5-chome, Higashi-ohi Shinagawa-ku, Tokyo, Japan</p>
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 10/429871
 05/06/03

<p>3. Nature of conveyance:</p> <p style="text-align: center;">ASSIGNMENT</p> <p>Execution Date: April 28, 2003</p>	<p>Additional name(s) & address(es) attached? NO</p>
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<p>4. Application number(s) or patent number(s):</p> <p style="text-align: center; font-size: 2em;">10429871</p> <p>If this is being filed together with a new application, the execution date of the application is: April 28, 2003</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">A. Patent Application Number(s):</td> <td style="width: 50%;">B. Patent Number(s):</td> </tr> </table> <p style="text-align: center;">Additional numbers attached? NO</p>		A. Patent Application Number(s):	B. Patent Number(s):
A. Patent Application Number(s):	B. Patent Number(s):		

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Harold C. Wegner FOLEY & LARDNER Washington Harbour 3000 K Street, N.W., Suite 500 Washington, D.C. 20007-5143</p>	<p>6. Total number of applications/patents involved: 1</p>
	<p>7. Total fee (37 C.F.R. § 3.41): \$40.00</p>
	<p><input checked="" type="checkbox"/> Check Enclosed</p> <p>Charge to deposit account</p> <p>8. Deposit account number: 19-0741</p>

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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. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.

<p>Harold C. Wegner</p> <p>_____ Name of person signing</p>	<p><i>Muhammad D. Kammer</i></p> <p>(Reg. No. 32,904)</p> <p>_____ Signature</p>	<p>May 6, 2003</p> <p>_____ Date</p>
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Total number of pages including cover sheet, attachments, and document: **2**

05/07/2003 BSAYAS11 00000018 10429871
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U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

(Insert
ASSIGNEE's
Name(s)
Address(es))

MITSUBISHI PENCIL CO., LTD.

23-37, 5-chome, Higashi-ohi, Shinagawa-ku, Tokyo, Japan

(hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of
Invention)

RESISTIVE HEATING ELEMENT AND PRODUCTION METHOD

relating to International Patent Application PCT/JP _____/_____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(Insert date
of execution
of application,
if not
concurrent)

(a) executed on _____ ;
(b) filed on _____ ,
Serial No. _____ / _____ ;

(_____) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

1)	<u>Yoshihisa Suda</u> (SIGNATURE)	<u>Yoshihisa Suda</u> (TYPE NAME)	<u>April 28, 2003</u> (DATE)
2)	<u>Noboru Kanba</u> (SIGNATURE)	<u>Noboru Kanba</u> (TYPE NAME)	<u>April 28, 2003</u> (DATE)
3)	<u>Atsushi Sato</u> (SIGNATURE)	<u>Atsushi Sato</u> (TYPE NAME)	<u>April 28, 2003</u> (DATE)
4)	<u>Kunitaka Yamada</u> (SIGNATURE)	<u>Kunitaka Yamada</u> (TYPE NAME)	<u>April 28, 2003</u> (DATE)
5)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
6)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
7)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
8)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)