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U.S. DEPARTMENT OF COMMERCE
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Attorney Docket No. 114720

To the Director of the U.S. Patent and Trademark Office: Please record the attached original document or copy thereof.

<p>1. A. Name of conveying party: Katsumi YAMAUCHI</p> <p><i>01/21/03</i></p> <p>B. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		<p>2. A. Name and address of receiving party: TDK CORPORATION 1-13-1, NIHONBASHI, CHUO-KU, TOKYO 103-8272 JAPAN</p> <p>B. Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>3. A. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>B. Execution Date: <u>January 16, 2003</u></p>			
<p>4. A. If this document is being filed together with a new application, the execution date of the application is: <u>January 16, 2003</u></p> <p>B. Patent Application No.(s) _____ C. Patent No.(s) _____</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>James A. Oliff</u></p> <p>Address: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, VA 22320</p>		<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. A. Total fee (37 CFR 3.41).....\$ <u>40.00</u> B. Enclosed (Check No. <u>138252</u>)</p> <p>8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.</p>	
<p>9. Statement and signature. <i>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.</i></p> <p><i>Thomas J. Pardini</i> _____ James A. Oliff Registration No. 27,875 Thomas J. Pardini Registration No. 30,411</p> <p>Date: <u>January 21, 2003</u></p> <p>Total number of pages including cover sheet, attachments, and document: <u>2</u></p>			

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PATENT
REEL: 013680 FRAME: 0693

ASSIGNMENT

Whereas, I/we,

NameAddress

(c/o) TDK Corporation,

1) Katsumi YAMAUCHI

1-13-1, Nihonbashi,
Chuo-ku, Tokyo 103-8272 Japanhereinafter called assignor(s) have invented certain improvements in
PIEZOELECTRIC SENSORand executed an application for Letters Patent of the United States of America therefor on even date herewith unless
otherwise indicated below:

filed on January 21, 2003

Serial No. _____; and

Whereas

TDK Corporation

1-13-1, Nihonbashi,
Chuo-ku, Tokyo 103-8272 Japan(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States
patents to be obtained therefor,

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

INVENTORSDATE SIGNED

1):

K. Yamachi

Name:

Katsumi YAMAUCHI

16 Jan. 2003

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

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