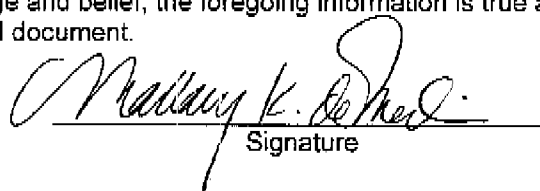


Client Code: QCO.061C1

# **RECORDATION FORM COVER SHEET PATENTS ONLY**

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

<p>1. Name of conveying parties:</p> <p>1. Teruo Sasagawa 2. Lior Kogut</p> <p>Additional name(s) of conveying party(ies) attached?</p> <p align="center">() Yes (X) No</p>	<p>2. Name and address of receiving party:</p> <p><b>Name:</b> QUALCOMM MEMS Technologies, Inc. <b>Internal Address:</b> <b>Street Address:</b> 5775 Morehouse Drive <b>City:</b> San Diego <b>State:</b> CA <b>ZIP:</b> 92121</p> <p>Additional name(s) of receiving party(ies) attached?</p> <p align="center">() Yes (X) No</p>
<p>3. Nature of conveyance:</p> <p>(X) Assignment      () Security Agreement ( ) Merger          () Change of Name ( ) Other:</p> <p>Execution Date:</p> <p>1. April 17, 2006 2. April 17, 2006</p>	<p>4. US Patent:</p> <p>(X) Patent Application No.: 11/869,467 Filing Date: October 9, 2007 Patent No.: 7,564,613 Issued: July 21, 2009 Additional numbers attached?</p> <p align="center">() Yes (X) No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p><b>Customer No.</b> 59,747</p> <p><b>Address:</b> Knobbe, Martens, Olson &amp; Bear, LLP 2040 Main Street, 14<sup>th</sup> Floor Irvine, CA 92614</p> <p><b>Return Fax:</b> (949) 760-9502</p> <p><b>Attorney's Docket No.:</b> QCO.061C1</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40</p> <p>(X) Authorized to be charged to deposit account</p>	<p>8. Deposit account number: 11-1410</p> <p>Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>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.</p> <p><u>Mallory K. de Merlier</u> Name of Person Signing</p> <p align="center"> Signature</p> <p align="right"><u>6-25-10</u> Date</p> <p align="center">51,609 Registration No.</p> <p align="center">Total number of pages including cover sheet, attachments and document: 3</p>	

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Application No.: Unknown  
Filing Date: Herewith

PATENT  
Client Code: QCO.061A / 060032  
Page 1

## ASSIGNMENT

WHEREAS, We, Teruo Sasagawa, a Japanese citizen, residing at 16345 Los Gatos Blvd. #18, Los Gatos, CA 95032, and Lior Kogut, an Israeli citizen, residing at 920 Rockefeller Drive, Apt.9a, Sunnyvale, CA 94087 have invented certain new and useful improvements in a MICROELECTROMECHANICAL DEVICE AND METHOD UTILIZING A POROUS SURFACE for which we caused to be filed an application for Letters Patent in the United States; and we hereby authorize and request the attorneys of, Knobbe, Martens, Olson & Bear, LLP, Customer No. 20,995, to insert here in parentheses (Application Number 11/407,473 filed 4/19/06) the filing date and application number of said application when known;

AND WHEREAS, QUALCOMM MEMS Technologies, Inc. (hereinafter "ASSIGNEE"), a Delaware corporation, with its principal place of business at 5775 Morehouse Drive, San Diego, California 92121, U.S.A, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional application(s) to which said Application claims, or is entitled to claim, priority, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE DO HEREBY sell, assign, transfer, and convey to the said ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to the said ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 17 day of April, 2006.

Teruo Sasagawa  
Teruo Sasagawa

IN TESTIMONY WHEREOF, acknowledged by QUALCOMM MEMS Technologies, Inc. this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

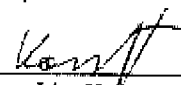
QUALCOMM MEMS Technologies, Inc.

Name:  
Title:

Application No.: Unknown  
Filing Date: Herewith

PATENT  
Client Code: QCO.061A / 060032  
Page 2

IN TESTIMONY WHEREOF, I herunto set my hand and seal this 17 day of April, 2006

  
\_\_\_\_\_  
Lior Kogut

IN TESTIMONY WHEREOF, acknowledged by QUALCOMM MEMS Technologies, Inc. this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

QUALCOMM MEMS Technologies, Inc.

\_\_\_\_\_  
Name:

Title:

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