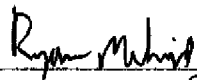


Client Code: **QCO.181A/061817****RECORDATION FORM COVER SHEET  
PATENTS ONLY**

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

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p><b>a) Lior Kogut</b> <b>b) Ming-Hau Tung</b> <b>c) Yeh-Jiun Tung</b></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input checked="" type="checkbox"/> Other:</p> <p>This submission is to correct an error in the spelling of the assignee's name appearing in the cover sheet previously recorded at Reel 023777, Frame 0924.</p> <p>Execution Date: (List as in section 1 if multiple signatures) <b>a) March 30, 2008</b> <b>b) April 8, 2008</b> <b>c) April 8, 2008</b></p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p><input checked="" type="checkbox"/> Patent Application No.: 11/952,873 Filing Date: December 7, 2007</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p><b>Customer No.</b> 20,995 <b>Address:</b> Knobbe, Martens, Olson &amp; Bear, LLP 2040 Main Street, 14<sup>th</sup> Floor Irvine, CA 92614 <b>Return Fax:</b> (949) 760-9502 <b>Attorney's Docket No.:</b> QCO.181A</p>	<p>6. Total number of applications and patents involved: <b>One (1)</b></p>
<p>7. Total fee (37 CFR 1.21(h)): <b>\$40.00</b></p> <p><input checked="" type="checkbox"/> <b>Authorized to be charged to deposit account</b></p>	<p>8. Deposit account number: <b>11-1410</b></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><b>Ryan E. Melnick</b>  <u>1/20/10</u> Name of Person Signing Signature Date</p> <p><b>58,621</b> Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: <b>Five (5)</b></p>	

CH \$40.00 111410 11952873

Client Code: **QCO.181A/061817**      **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 party(ies): (List using letters or numbers for multiple parties)</p> <p>a) <b>Lior Kogut</b>  b) <b>Ming-Hau Tung</b>  c) <b>Yeh-Jiun Tung</b></p> <p>Additional name(s) of conveying party(ies) attached?  <input type="checkbox"/> Yes    <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p><b>Name:</b> QUALCOM 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?  <input type="checkbox"/> Yes    <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> <b>Assignment</b>                      <input type="checkbox"/> Security Agreement  <input type="checkbox"/> Merger                                <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>a) <b>March 30, 2008</b>  b) <b>April 8, 2008</b>  c) <b>April 8, 2008</b></p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p><input checked="" type="checkbox"/> Patent Application No.: 11/952,873  Filing Date: December 7, 2007</p> <p>Additional numbers attached?  <input type="checkbox"/> Yes    <input checked="" type="checkbox"/> No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p><b>Customer No.</b> 20,995</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> <b>QCO.181A</b></p>	<p>6. Total number of applications and patents involved: <b>One (1)</b></p>
<p>7. Total fee (37 CFR 1.21(h)): <b>\$40.00</b></p> <p><input checked="" type="checkbox"/> <b>Authorized to be charged to deposit account</b></p>	<p>8. Deposit account number: <b>11-1410</b></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><b>Ryan E. Melnick</b>                      <u><i>Ryan Melnick</i></u>                      <u>1-13-10</u>  Name of Person Signing                      Signature                      Date</p> <p><b>58,621</b>  Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: <b>Three (3)</b></p>	

Documents transmitted via Facsimile to be recorded with required cover sheet information to:

**Mail Stop Assignment Recordation Services**  
Director, U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450  
**Facsimile Number: (571) 273-0140**

Documents transmitted via Facsimile to be recorded with required cover sheet information to:

**Mail Stop Assignment Recordation Services**

Director, U.S. Patent and Trademark Office

P.O. Box 1450

Alexandria, VA 22313-1450

**Facsimile Number: (571) 273-0140**

5108924:djl  
040308

Application No.: 11/952,873  
 Filing Date: December 7, 2007

PATENT  
 Client Code: QCO.181A/061827  
 Page 1

### ASSIGNMENT

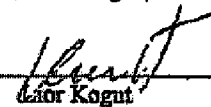
WHEREAS, We, Lior Kogut a citizen of Israel, residing at 920 Rockefeller Drive, Apt. 9a, Sunnyvale, CA 94087, Ming-Hau Tung, a United States citizen, residing at 1712 48th Avenue, San Francisco, CA 94122, and Yeh-Jiun Tung, a United States citizen, residing at 183 Del Medio, Apt. 306, Mountain View, CA 94040 have invented certain new and useful improvements in a MEMS DEVICES REQUIRING NO MECHANICAL SUPPORT for which I caused to be filed an application for Letters Patent in the United States, Application No. 11/952,873, filed December 7, 2007;

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, I, the said inventor, do hereby acknowledge that I 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 I 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 I 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 I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me 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.

  
 Lior Kogut

Ming-Hau Tung

Yeh-Jiun Tung

IN TESTIMONY WHEREOF, acknowledged by QUALCOMM MEMS Technologies, Inc. this 30 day of March, 2008

QUALCOMM MEMS Technologies, Inc.

Name:  
 Title:

4741903 and 021308

PATENT

Application No.: 11/952,873  
Filing Date: December 7, 2007

Client Code: QCO.181A/061827  
Page 1

ASSIGNMENT


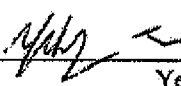
WHEREAS, We, Lior Kogut a citizen of Israel, residing at 46A Alexander Yanai, Haifa, Israel 34816, Ming-Hau Tung, a United States citizen, residing at 1712 48th Avenue, San Francisco, CA 94122, and Yeh-Jiun Tung, a United States citizen, residing at 1134 Pimento Ave., Sunnyvale, CA 94087 have invented certain new and useful improvements in a MEMS DEVICES REQUIRING NO MECHANICAL SUPPORT for which I caused to be filed an application for Letters Patent in the United States, Application No. 11/952,873, filed December 7, 2007;

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, I, the said inventor, do hereby acknowledge that I 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 I 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 I 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 I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me 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.

\_\_\_\_\_  
Lior Kogut  
  
\_\_\_\_\_  
Ming-Hau Tung  
4/8/08  
\_\_\_\_\_  
  
\_\_\_\_\_  
Yeh-Jiun Tung  
4/8/08

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

QUALCOMM MEMS Technologies, Inc.

Name:  
Title:

4741903:sad:022608

PATENT