

07-07-2006

HEET



To the Director, U.S. Patent and

ached original documents or copy thereof.

103270293

1. Name of conveying parties: (List using letters or numbers for multiple parties)

- A. Lior Kogut  
B. Ming-Hau Tung  
C. Brian Arbuckle

Additional names of conveying parties attached?

( ) Yes (X) No

3. Nature of conveyance:

- (X) Assignment ( ) Security Agreement  
( ) Merger ( ) Change of Name  
( ) Other:

Execution Date: (List as in section 1 if multiple signatures)

- A. June 27, 2006  
B. June 27, 2006  
C. June 27, 2006

2. Name and address of receiving party:

**Name:** Qualcomm MEMS Technologies, Inc.**Internal Address:****Street Address:** 5775 Morehouse Drive**City:** San Diego **State:** CA**ZIP:** 92121

Additional names of receiving parties attached?

( ) Yes (X) No

4. US or PCT Application number(s) or US Patent number(s):

(X) Application(s) filed herewith

Additional numbers attached?

( ) Yes (X) No

5. Party to whom correspondence concerning document should be mailed:

**Customer No.** 59,747**Address:** Knobbe, Martens, Olson & Bear, LLP  
2040 Main Street, 14<sup>th</sup> Floor  
Irvine, CA 92614**Return Fax:** (949) 760-9502**Attorney's Docket No.:** QCO.072A2

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h)): \$40.00

(X) Enclosed

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

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.

Bruce S. Itchkawitz  
Name of Person Signing

47,677  
Registration No.

Signature

Date

Total number of pages including cover sheet, attachments and document: 3

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ASSIGNMENT

WHEREAS, Lior Kogut, an Israeli citizen, residing at 920 Rockefeller Drive, Apartment 9A, Sunnyvale, California 94087, Ming-Hau Tung, a United States citizen, residing at 1712 48<sup>th</sup> Avenue, San Francisco, CA 94122 and Brian Arbuckle, a United States citizen, residing at 563 Everett Drive, Danville, California 94526 (collectively Assignors), have invented certain new and useful improvements in a SUPPORT STRUCTURE FOR FREE-STANDING MEMS DEVICE AND METHODS FOR FORMING THE SAME 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 \_\_\_\_\_, filed \_\_\_\_\_, 2006), the 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, 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.

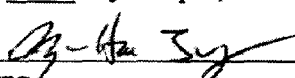
AND I DO HEREBY sell, assign, transfer, and convey to the said ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to the said ASSIGNEE, or 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.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of <sup>June</sup>~~April~~, 2006. LK

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

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of <sup>June</sup>~~April~~, 2006.

  
\_\_\_\_\_  
Ming-Hau Tung

Application No.: Unknown  
Filing Date: Herewith

PATENT  
Client Code: QCO.072A2 / Qualcomm #060310U2  
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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of <sup>June 8<sup>th</sup></sup>~~April~~, 2006.

  
\_\_\_\_\_  
Brian Arbuckle

IN TESTIMONY WHEREOF, acknowledged by QUALCOMM MEMS Technologies, Inc. this \_\_\_\_\_ day of April, 2006.

QUALCOMM MEMS Technologies, Inc.

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

2703203  
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