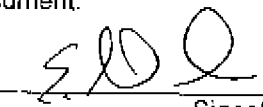


Client Code: QCO.219A/071309

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

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

1. Name of conveying parties: 1. Ion Bitz 2. Chun-Ming Wang 3. Gang Xu Additional name(s) of conveying party(ies) attached? () Yes (X) No	2. Name and address of receiving party(ies): Name: QUALCOMM MEMS Technologies, Inc. Street Address: 5775 Morehouse Drive City: San Diego State: CA ZIP: 92121 Additional name(s) of receiving party(ies) 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) 1. March 18, 2009 2. March 26, 2009 3. March 27, 2009	4. US or PCT Application number(s) or US Patent number(s): (X) Patent Application No.: 12/371,538 Filing Date: February 13, 2009 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 th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: QCO.219A	6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h)): \$40 (X) Authorized to be charged to deposit account	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. <div style="display: flex; justify-content: space-between;"> <div> Eric M. Nelson Name of Person Signing </div> <div style="text-align: center;">  Signature </div> <div style="text-align: center;"> 4/27/2009 Date </div> </div> Registration No. 43,829 Total number of pages including cover sheet, attachments and document: 5	

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Application No.: 12/371,538
Filing Date: February 13, 2009

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ASSIGNMENT

WHEREAS, We, Ion Bitu, a Romanian citizen, residing at 65 Rio Robles East, Apt. 1204, San Jose, CA 95134; Chun-Ming Wang, a Taiwanese citizen, residing at 41730 Marigold Drive, Fremont, CA 94539; and Gang Xu, a United States citizen, residing at 10092 Amador Oak Court, Cupertino, CA 95014, have invented certain new and useful improvements in a DEVICE HAVING POWER GENERATING BLACK MASK AND METHOD OF FABRICATING THE SAME for which we have filed an application for Letters Patent in the United States, Application No. 12/371,538;

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.

Application No.: 12/371,538
Filing Date: February 13, 2009

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Client Code: QCO.219A / 071309
Page 2

20 09 IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 18 day of MARCH.



Ion Bitu

20__ IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of ____.

Chun-Ming Wang

20__ IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of ____.

Gang Xu

____ IN TESTIMONY WHEREOF, acknowledged by QUALCOMM MEMS Technologies, Inc. this
day of _____, 20__.

QUALCOMM MEMS Technologies, Inc.

Name:
Title:

6804030
031309

PATENT
REEL: 022615 FRAME: 0968

Application No.: 12/371,538
Filing Date: February 13, 2009

PATENT
Client Code: QCO.219A / 071309
Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of
____, 20__.

Ion Bitá

IN TESTIMONY WHEREOF, acknowledged by QUALCOMM MEMS Technologies, Inc. this
____ day of _____, 20__.

QUALCOMM MEMS Technologies, Inc.

Name:
Title:

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 26th day of
March, 2009

Chun-Ming Wang
Chun-Ming Wang

IN TESTIMONY WHEREOF, acknowledged by QUALCOMM MEMS Technologies, Inc. this
____ day of _____, 20__.

QUALCOMM MEMS Technologies, Inc.

Name:
Title:

PATENT

REEL: 022615 FRAME: 0969

Application No.: 12/371,538
Filing Date: February 13, 2009

PATENT
Client Code: QCO.219A / 071309
Page 2


20__ IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____,

Ion Bitá

20__ IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____,

Chun-Ming Wang

20⁰⁹ IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27 day of March,



Gang Xu

____ IN TESTIMONY WHEREOF, acknowledged by QUALCOMM MEMS Technologies, Inc. this
day of _____, 20__

QUALCOMM MEMS Technologies, Inc.

Name:
Title:

6804030
031309