

01-08-2007

Client Code: QCO.057A/050857

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To the Director, U.S. Patent and Trademark

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ginal documents or copy thereof.

112919 U.S. PTO

11/647822



122906

1. Name of conveying party:

William J. Cummings

Additional name(s) of conveying party(ies) attached?

() Yes (X) No

2. Name and address of receiving party:

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:

December 21, 2006

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. 20,995**Address:** Knobbe, Martens, Olson & Bear, LLP
2040 Main Street, 14th Floor
Irvine, CA 92614**Return Fax:** (949) 760-9502**Attorney's Docket No.:** QCO.057A/050857

6. Total number of applications and patents involved: 1

11/647822

7. Total fee (37 CFR 1.21(h)): \$40

(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.

Thomas R. Arno

Name of Person Signing

Signature

12/29/06

Date

40,490
Registration No.

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

Documents transmitted via Mail 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

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122906**PATENT****REEL: 018750 FRAME: 0429**

ASSIGNMENT

WHEREAS, I, William J. Cummings, a U.S. citizen, residing at 149 Ashton Avenue, Millbrae, CA 94030, have invented certain new and useful improvements in a SWITCHES FOR SHORTING DURING MEMS ETCH RELEASE for which I caused to be filed an application for Letters Patent in the United States;

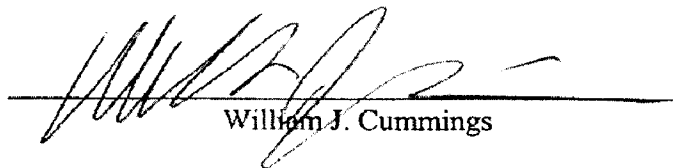
AND WHEREAS, QUALCOMM MEMS Technologies, Inc. (hereinafter "ASSIGNEE"), a Delaware corporation, with its principal place of business at 5775 Morehouse Drive, San Diego, California 92121, U.S.A, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application.

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 21 day of December, 2006.


William J. Cummings

Application No.: Unknown
Filing Date: Herewith

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

QUALCOMM MEMS Technologies, Inc.

Name:

Title:

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