

02-05-2007

Client Code: QCO.109A



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To the Director, U.S. Patent and Tra

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ed original documents or copy thereof.

1.29.07

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>1) Louis D. Silverstein 2) Alan G. Lewis 3) Jennifer Lee Gille 4) Gang Xu</p> <p>Additional name(s) of conveying party(ies) attached? () Yes (X) No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: QUALCOMM MEMS Technologies, Inc. Internal Address: Street Address: 5775 Morehouse Drive City: San Diego State: CA ZIP: 92121</p> <p>Additional name(s) of receiving party(ies) attached? () Yes (X) No</p>
<p>3. Nature of conveyance:</p> <p>(X) Assignment () Security Agreement () Merger () Change of Name () Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>1) 01/28/07 2) 01/25/07 3) 01/25/07 4) 01/24/07</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p>(X) Application(s) filed herewith</p> <p>Additional numbers attached? () Yes (X) No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p>Customer No. 59,747 Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: QCO.109A</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) Enclosed</p> <p>01/31/2007 WABDEL R1 00000028 11699542 06 FC:3021 (40.00 DP)</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>Bruce S. Itchkawitz</u> Name of Person Signing</p> <p><u><i>Bruce S. Itchkawitz</i></u> Signature</p> <p><u>1/29/07</u> Date</p> <p>47,677 Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: 4</p>	

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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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ASSIGNMENT

WHEREAS, We, Louis D. Silverstein, a United States citizen, residing at 9695 E. Yucca Street, Scottsdale, AZ 85260, Alan G. Lewis, a citizen of United Kingdom, residing at 1610 South Mary Avenue, Sunnyvale, CA 94087, Jennifer Lee Gille, a United States citizen, residing at 113 Blackburn Avenue, Menlo Park, CA 94025, 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 HYBRID COLORS SYNTHESIS FOR MULTISTATE REFLECTIVE MODULAR DISPLAYS for which we caused to be filed an application for Letters Patent in the United States; and I hereby authorize and request the attorneys of Knobbe, Martens, Olson & Bear, LLP, Customer No. 20,995, to insert here in parentheses (Application Number _____, filed _____) 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, 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 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 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 28 day of JANUARY, 2007


LOUIS D. SILVERSTEIN

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

ALAN G. LEWIS

ASSIGNMENT

WHEREAS, We, Louis D. Silverstein, a United States citizen, residing at 9695 E. Yucca Street, Scottsdale, AZ 85260, Alan G. Lewis, a citizen of United Kingdom, residing at 1610 South Mary Avenue, Sunnyvale, CA 94087, Jennifer Lee Gille, a United States citizen, residing at 113 Blackburn Avenue, Menlo Park, CA 94025, 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 HYBRID COLORS SYNTHESIS FOR MULTISTATE REFLECTIVE MODULAR DISPLAYS for which we caused to be filed an application for Letters Patent in the United States; and I hereby authorize and request the attorneys of Knobbe, Martens, Olson & Bear, LLP, Customer No. 20,995, to insert here in parentheses (Application Number _____, filed _____) 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, 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 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 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 ____ day of _____, 20__.

LOUIS D. SILVERSTEIN

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 26th day of January, 2007.



ALAN G. LEWIS

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 25th day of January, 2007



JENNIFER LEE GILLE

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 24 day of Jan., 2007



GANG XU

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

QUALCOMM MEMS Technologies, Inc.

Name:

Title:

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