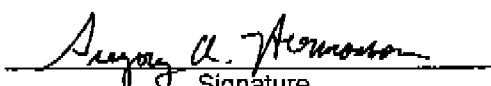


Client Code: QCO.201A (071003) **RECORDATION FORM COVER SHEET**
PATENTS ONLY

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

<p>1. Name of conveying party: Alok Govil</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): Name: QUALCOMM Incorporated Internal Address: Street Address: 5775 Morehouse Drive City: San Diego State: CA ZIP: 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: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:</p> <p>Execution Date: January 30, 2009</p>	<p>4. US or PCT Application number(s) or US Patent number(s): <input checked="" type="checkbox"/> Patent Application No.: 12/365,089 Filing Date: February 3, 2009</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: 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.201A (071003)</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40 <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p>	<p>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.</p>
<p>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.</p> <p><u>Gregory A. Hermanson</u> Name of Person Signing</p> <p><u></u> Signature</p> <p><u>2/27/09</u> Date</p> <p>53,018 Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: 2</p>	

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

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Facsimile Number: (571) 273-0140

Application No.: 12/365,089
Filing Date: 02-03-2009

PATENT
Client Code: QCO.201A/IDC-071003
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ASSIGNMENT

WHEREAS, I, Alok Govil a citizen of India, residing at 520 Mansion Ct., Apt. 102, Santa Clara, CA 95054, have invented certain new and useful improvements in a SENSING TO DETERMINE PIXEL STATE IN A PASSIVELY ADDRESSED DISPLAY ARRAY for which I 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 12/365,089 filed 02-03-2009) the filing date and application number of said application when known;

AND WHEREAS, QUALCOMM Incorporated (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 we 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 we will communicate to the said ASSIGNEE, its successors, legal representatives, and assigns, any facts known to us 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 30 day of January, 2009


Alok Govil

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