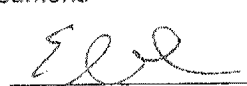


Client Code: IRDM.146DV1DV1 **RECORDATION FORM COVER SHEET  
PATENTS ONLY**

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

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>1. William J. Cummings 2. Brian Gally 3. Manish Kothari</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):</p> <p><b>Name:</b> IDC, LLC <b>Street Address:</b> 2415 Third Street <b>City:</b> San Francisco, CA 94107 <b>ZIP:</b> 94107</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:</p> <p><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: (List as in section 1 if multiple signatures)</p> <p>1. August 11, 2006 2. August 11, 2006 3. August 11, 2006</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p><input checked="" type="checkbox"/> Patent Application No.: 12/869,494 Filing Date: August 26, 2010</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:</p> <p><b>Customer No.</b> 59,747 <b>Address:</b> Knobbe, Martens, Olson &amp; Bear, LLP 2040 Main Street, 14<sup>th</sup> Floor Irvine, CA 92614 <b>Return Fax:</b> (949) 760-9502 <b>Attorney's Docket No.:</b> IRDM.146DV1DV1</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</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>Eric M. Nelson</u> Name of Person Signing</p> <p> Signature</p> <p><u>11/2/2011</u> Date</p> <p>43,829 Registration No.</p> <p>Total number of pages including cover sheet, attachments and document: 3</p>	

CH \$40.00 111410 12869494

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Facsimile Number: (571) 273-0140

Application No.: 11/097,511  
 Filing Date: April 1, 2005

PATENT  
 Client Code: IRDM.146A / IDC-040023U2  
 Page 1 of 2

### ASSIGNMENT

WHEREAS, We, William J. Cummings, a United States citizen, residing at 149 Ashton Avenue, Millbrae, CA 94030, Brian Gally, a United States citizen, residing at 346 Bella Vista Avenue, Los Gatos, CA 95032, and Manish Kothari, a United States citizen, residing at 22460 Palm Avenue, Cupertino, CA 95014, have invented certain new and useful improvements in a ELECTRICAL CHARACTERIZATION OF INTERFEROMETRIC MODULATORS for which we caused to be filed an application for Letters Patent in the United States; Application Number 11/097,511, filed April 1, 2005;

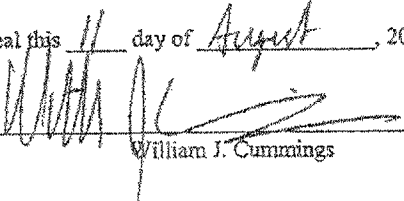
AND WHEREAS, IDC, LLC (hereinafter "ASSIGNEE"), a Delaware limited liability company, with its principal place of business at 2415 Third Street, San Francisco, CA 94107, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventor, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, 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 applications relating thereto, 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, successors, legal representatives and assigns, in accordance with the terms of this instrument.

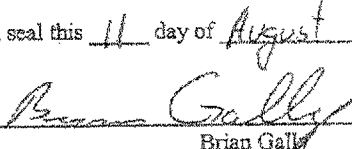
AND WE DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, his successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, 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 we will communicate to the said ASSIGNEE, 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, 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 11 day of August, 2006

  
 \_\_\_\_\_  
 William J. Cummings

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 11 day of August, 2006

  
 \_\_\_\_\_  
 Brian Gally

Application No.: 11/097,511  
Filing Date: April 1, 2005

PATENT  
Client Code: IRDM.146A / IDC-040023U2  
Page 2 of 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 11 day of August, 2006.

Manish Kothari  
Manish Kothari

IN TESTIMONY WHEREOF, acknowledged by IDC, LLC this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

IDC, LLC

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

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073106