


Client Code: IRDM.051C2 / IDC-040014C2

**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: IDC, LLC</p> <p>Additional name(s) of conveying party(ies) attached? ( ) Yes (X) No</p>	<p>2. Name and address of receiving party: <b>Name:</b> QUALCOMM MEMS Technologies, Inc. <b>Internal Address:</b> <b>Street Address:</b> 5775 Morehouse Drive <b>City:</b> San Diego <b>State:</b> CA <b>ZIP:</b> 92121</p> <p>Additional name(s) of receiving party(ies) attached? ( ) Yes (X) No</p>
<p>3. Nature of conveyance: (X) Assignment ( ) Security Agreement ( ) Merger ( ) Change of Name ( ) Other:</p> <p>Execution Date: September 25, 2009</p>	<p>4. US or PCT Application number(s) or US Patent number(s): (X) Patent Application No.: 13/231,640 Filing Date: September 13, 2011</p> <p>Additional numbers attached? ( ) Yes (X) 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.051C2</p>	<p>6. Total number of applications and patents involved: One</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40 (X) 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>Jason Jardine</u> Name of Person Signing</p> <p> Signature</p> <p>September 14, 2011 Date</p> <p>Registration No. 61,805</p> <p>Total number of pages including cover sheet, attachments and document: 16</p>	

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**PATENT  
REEL: 026908 FRAME: 0162**

CH \$40.00 111410 13231640

### ASSIGNMENT

WHEREAS, IDC, LLC, a Delaware limited liability company having offices at 3055 Badger Drive, Pleasanton, CA 94566 U.S.A. (hereinafter "ASSIGNOR"), represents that it is the sole owner of the entire right, title, and interest to certain new and useful improvements for which ASSIGNOR has obtained issued Letters Patents and/or has filed applications for Letters Patents (hereinafter "the Patents and Patent Applications") identified in the following exhibits attached hereto, which respectively list patents and patent applications in:

United States of America	Exhibit A (in 12 pages)
Brazil	Exhibit B (in 3 pages)
Canada	Exhibit C (in 3 pages)
People's Republic of China (PRC) including Hong Kong	Exhibit D (in 6 pages)
European Patent Office	Exhibit E (in 4 pages)
India	Exhibit F (in 3 pages)
Japan	Exhibit G (in 4 pages)
South Korea	Exhibit H (in 3 pages)
Malaysia	Exhibit I (in 3 pages)
Mexico	Exhibit J (in 3 pages)
Russia	Exhibit K (in 3 pages)
Singapore	Exhibit L (in 3 pages)
Taiwan (ROC)	Exhibit M (in 4 pages)
Vietnam	Exhibit N (in 3 pages)
Australia	Exhibit O (in 3 pages)
Israel	Exhibit P (in 3 pages)
International Applications	Exhibit Q (in 1 page)

WHEREAS, QUALCOMM MEMS Technologies, Inc. (formerly named Iridigm Display Corporation), a Delaware corporation having offices at 5775 Morchouse Drive, San Diego, California 92121 U.S.A. (hereinafter "ASSIGNEE") desires to acquire the entire right, title, and interest in and to said improvements and said Patents and Patent Applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned, transferred and set over, and does hereby sell, assign, and transfer, unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in, to, and under the said improvements, the said Patents and Patent Applications, all Patents that may be granted thereon, all provisional applications relating thereto, and all divisions, continuations, continuations-in-part, reissues, reexaminations, renewals, and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent that may have been or hereafter be filed (whether or not such applications are particularly listed in said exhibits) for said improvements or for the said Patents and Patent Applications in any country or countries foreign to the United States; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patents for said improvements and all Letters Patents resulting from the Patents and Patent Applications to ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of this Agreement.

ASSIGNOR does hereby sell, assign, transfer, and convey to 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 ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the Letters Patents before or after issuance;

ASSIGNOR hereby covenants and agrees that it will communicate to ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the Patents and Patent Applications immediately upon becoming aware of those facts, and that it will testify in any legal proceeding involving any of the Patents and Patent Applications, will sign all lawful papers, execute all divisional, continuation, continuation-in-part, and reissue applications, make all rightful oaths and/or declarations, and will generally do everything possible to aid ASSIGNEE, its successors, legal representatives, and assigns to obtain and enforce the Patents and Patent Applications in all countries.

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

IDC, LLC

By: [Signature]

Name Printed: VIVEK MEHRA

Title: MANAGER

Date: SEPTEMBER 25, 2009

STATE OF California  
COUNTY OF San Diego

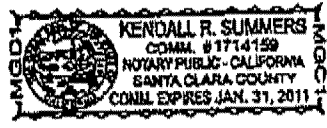
On September 25, 2009 before me, KENDALL R. SUMMERS, notary public, personally appeared who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that executed the same in authorized capacity(ies), and that by signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(SEAL)

[Signature]  
Notary Signature



IN TESTIMONY WHEREOF, acknowledged hereunto this 25<sup>th</sup> day of SEPTEMBER,  
2009

QUALCOMM MEMS Technologies, Inc.

By: \_\_\_\_\_

Name Printed: John Bates

Title: PRESIDENT

Date: 9/25/09

7828319

**EXHIBIT A**  
**US Patents and Patent Applications**

IDC, LLC -- QUALCOMM MEMS Technologies, Inc.  
 Assignment Executed September 25, 2009

<b>Attorney Docket No.</b>	<b>Application No.</b>	<b>Filing Date</b>	<b>Issue Date</b>	<b>Patent No.</b>
IRDM.001A	10/794737	3/3/2004	10/10/2006	7119945
IRDM.002A	10/772120	2/3/2004	5/12/2009	7532194
IRDM.003A	10/794825	3/5/2004		
IRDM.003C1	11/417808	5/3/2006		
IRDM.004A	10/700641	11/3/2003	3/14/2006	7012726
IRDM.005A	10/839307	5/4/2004	6/13/2006	7060895
IRDM.005C1	11/436345	5/18/2006	1/9/2007	7161094
IRDM.006A	10/883902	7/2/2004	8/14/2007	7256922
IRDM.006DV1	11/837140	8/10/2007		
IRDM.007A	10/839329	5/4/2004	1/13/2009	7476327
IRDM.007C1	12/271793	11/14/2008		
IRDM.008A	10/844819	5/12/2004	1/16/2007	7164520
IRDM.008C1	11/653088	1/12/2007	10/28/2008	7443563
IRDM.008C2	12/019590	1/24/2008		
IRDM.009A	11/062143	2/18/2005		
IRDM.009PR	60/613418	9/27/2004		
IRDM.010A	11/036965	1/14/2005	3/11/2008	7342705
IRDM.010C1	12/034499	2/20/2008		
IRDM.010DV1	12/014657	1/15/2008		
IRDM.010PR	60/541607	2/3/2004		
IRDM.011A	11/045588	1/28/2005		
IRDM.011PR	60/613417	9/27/2004		
IRDM.012A	11/041020	1/21/2005		
IRDM.012PR	60/613482	9/27/2004		
IRDM.013PR	60/613405	9/27/2004		
IRDM.014PR2	60/613493	9/27/2004		
IRDM.015A	11/090775	3/25/2005	11/27/2007	7299681
IRDM.015C1	11/945196	11/26/2007		
IRDM.015PR	60/613385	9/27/2004		
IRDM.016A	11/036966	1/14/2005		
IRDM.016PR	60/550687	3/6/2004		
IRDM.017A1	10/909228	7/29/2004		
IRDM.017CP1	11/189690	7/26/2005	7/28/2009	7567373
IRDM.017CP1D1	12/241600	9/30/2008		
IRDM.017PR2	60/613466	9/27/2004		
IRDM.017PR3	60/658867	3/4/2005		
IRDM.018A	11/097819	4/1/2005		
IRDM.018PR	60/613412	9/27/2004		
IRDM.019A	11/040822	1/21/2005		
IRDM.019PR	60/613500	9/27/2004		

EXHIBIT A  
US Patents and Patent Applications

IDC, LLC -- QUALCOMM MEMS Technologies, Inc.  
Assignment Executed September 25, 2009

Attorney Docket No.	Application No.	Filing Date	Issue Date	Patent No.
IRDM.020A	11/045800	1/28/2005	2/27/2007	7184202
IRDM.020DV1	11/679134	2/26/2007	4/14/2009	7518775
IRDM.020DV1C1	12/423531	4/14/2009		
IRDM.020PR	60/613275	9/27/2004		
IRDM.021A	11/187784	7/22/2005		
IRDM.021PR	60/613264	9/27/2004		
IRDM.022A2	11/159073	2/25/2005	7/14/2009	7560299
IRDM.022A2DV1	12/501338	7/10/2009		
IRDM.022PR1	60/604896	8/27/2004		
IRDM.022PR2	60/606223	8/31/2004		
IRDM.023A1	11/182389	7/15/2005	3/3/2009	7499208
IRDM.023A1DV1	12/396395	3/2/2009		
IRDM.023A2	11/054703	2/8/2005	4/7/2009	7515147
IRDM.023A4	11/026555	12/30/2004		
IRDM.023PR	60/604893	8/27/2004		
IRDM.024A	06/855116	4/23/1986		
IRDM.024C1	07/166774	3/4/1988		
IRDM.024C2	07/296896	1/12/1989		
IRDM.024C3	07/489794	3/5/1990		
IRDM.024C4	07/794819	11/18/1991		
IRDM.024C5	08/032711	3/17/1993		
IRDM.024CP	08/238750	5/5/1994	11/10/1998	5835255
IRDM.025C	08/744253	11/5/1996	11/16/1999	5986796
IRDM.025CC	09/378143	8/20/1999		
IRDM.025CCD	10/082397	2/25/2002	10/24/2006	7126738
IRDM.025CCDC1	11/585791	10/23/2006	6/10/2008	7385748
IRDM.026A	11/027693	12/30/2004		
IRDM.026A2	11/045865	1/28/2005	6/23/2009	7551159
IRDM.026A2C1	12/468004	5/18/2009		
IRDM.026PR	60/604892	8/27/2004		
IRDM.027CP	08/554630	11/6/1995		
IRDM.027CPD	08/688710	7/31/1996	3/21/2000	6040937
IRDM.027CPDC	09/238340	1/27/1999	4/25/2000	6055090
IRDM.028A	11/103378	4/11/2005	1/22/2008	7321456
IRDM.028C1	12/018038	1/22/2008	4/7/2009	7515327
IRDM.028PR	60/613597	9/27/2004		
IRDM.029CP	08/769947	12/19/1996		
IRDM.029CPC	09/991378	11/21/2001		
IRDM.029CPCD	10/078282	2/19/2002	5/9/2006	7042643
IRDM.029CPCDCP	10/644312	8/19/2003	12/2/2008	7460291

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IDC, LLC -- QUALCOMM MEMS Technologies, Inc.  
Assignment Executed September 25, 2009

Attorney Docket No.	Application No.	Filing Date	Issue Date	Patent No.
IRDM.029CPCDCPC	12/325964	12/1/2008		
IRDM.029CPCDD	10/844802	5/12/2004	10/9/2007	7280265
IRDM.029CPCDDC	11/868414	10/5/2007		
IRDM.029CPD	09/974544	10/10/2001	1/20/2004	6680792
IRDM.030A	11/051258	2/4/2005		
IRDM.030PR	60/613542	9/27/2004		
IRDM.031CP	09/056975	4/8/1998	1/6/2004	6674562
IRDM.031CPCP	10/076224	2/13/2002	3/23/2004	6710908
IRDM.031CPD	09/966843	9/28/2001	3/15/2005	6867896
IRDM.031CPDC	11/056571	2/11/2005	5/27/2008	7379227
IRDM.031CPDC2	11/070497	3/1/2005	3/14/2006	7012732
IRDM.031CPDCC10	11/754229	5/25/2007	5/12/2009	7532381
IRDM.031CPDD	10/752140	1/5/2004		
IRDM.031CPDDD	12/031603	2/14/2008		
IRDM.032A	11/154283	6/16/2005	10/31/2006	7130104
IRDM.032DV1	11/589582	10/30/2006	6/10/2008	7385762
IRDM.032DV1C1	12/014675	1/15/2008		
IRDM.032DV1DV1	12/014639	1/15/2008		
IRDM.032PR	60/613558	9/27/2004		
IRDM.033A	11/150407	6/10/2005	3/18/2008	7345805
IRDM.033C1	12/050094	3/17/2008		
IRDM.033PR	60/613501	9/27/2004		
IRDM.034A	11/119432	4/29/2005	9/2/2008	7420725
IRDM.034DV1	11/925692	10/26/2007	6/2/2009	7542198
IRDM.034DV1C1	12/426168	4/17/2009		
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IRDM.035A	11/057045	2/11/2005	10/30/2007	7289259
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IRDM.035CP1	11/772730	7/2/2007		
IRDM.035PR	60/613372	9/27/2004		
IRDM.036A	11/193012	7/29/2005	12/18/2007	7310179
IRDM.036C1	11/958316	12/17/2007	8/18/2009	7576901
IRDM.036C1C1	12/499004	7/7/2009		
IRDM.036PR	60/613382	9/27/2004		
IRDM.037A	10/074562	2/12/2002	9/21/2004	6794119
IRDM.037C1	10/941042	9/14/2004	7/31/2007	7250315
IRDM.037C1C1	11/830750	7/30/2007		
IRDM.038A	11/051251	2/4/2005	11/28/2006	7142346
IRDM.038DV1	11/586180	10/25/2006	7/10/2007	7242512
IRDM.038DV2	11/586179	10/25/2006	6/17/2008	7388697

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US Patents and Patent Applications

IDC, LLC -- QUALCOMM MEMS Technologies, Inc.  
Assignment Executed September 25, 2009

Attorney Docket No.	Application No.	Filing Date	Issue Date	Patent No.
IRDM.038DV2C1	12/102759	4/14/2008	6/9/2009	7545554
IRDM.038DV2C1C1	12/435256	5/4/2009		
IRDM.038PR	60/613458	9/27/2004		
IRDM.039A	11/134490	5/20/2005	5/5/2009	7527995
IRDM.039C1	12/436000	5/5/2009		
IRDM.039PR	60/613411	9/27/2004		
IRDM.040A	11/205268	8/15/2005	11/14/2006	7136213
IRDM.040C1	11/586800	10/26/2006		
IRDM.040PR	60/613420	9/27/2004		
IRDM.041A	11/112487	4/22/2005		
IRDM.041PR	60/613450	9/27/2004		
IRDM.042A	11/149920	6/10/2005	6/30/2009	7554714
IRDM.042PR	60/613552	9/27/2004		
IRDM.043A	11/144546	6/3/2005		
IRDM.043PR	60/613465	9/27/2004		
IRDM.044A	11/100762	4/6/2005		
IRDM.044CP1	11/234061	9/22/2005		
IRDM.044PR	60/613483	9/27/2004		
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IRDM.046PR	60/613297	9/27/2004		
IRDM.047A	11/057392	2/11/2005	4/8/2008	7355780
IRDM.047C1	11/417431	5/3/2006	3/25/2008	7349139
IRDM.047C2	12/036668	2/25/2008		
IRDM.047PR	60/613536	9/27/2004		
IRDM.048A	11/112734	4/22/2005	5/13/2008	7372613
IRDM.048C1	12/115829	5/6/2008		
IRDM.048CP1	11/772777	7/2/2007		
IRDM.048PR	60/613486	9/27/2004		
IRDM.049A	11/052004	2/4/2005	3/25/2008	7349141
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IRDM.049PR	60/613471	9/27/2004		
IRDM.050A	11/213659	8/26/2005		
IRDM.050PR	60/613403	9/27/2004		
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IRDM.051C1	12/192908	8/15/2008		
IRDM.051PR	60/613318	9/27/2004		
IRDM.052A	11/102554	4/8/2005		
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EXHIBIT A  
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IDC, LLC -- QUALCOMM MEMS Technologies, Inc.  
Assignment Executed September 25, 2009

Attorney Docket No.	Application No.	Filing Date	Issue Date	Patent No.
IRDM.052PR	60/613476	9/27/2004		
IRDM.053A	11/150496	6/10/2005		
IRDM.053PR	60/613563	9/27/2004		
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IRDM.056CP	09/413222	10/5/1999	10/17/2006	7123216
IRDM.056CPC1	11/390996	3/28/2006	1/27/2009	7483197
IRDM.056CPC1C1	11/841847	8/20/2007		
IRDM.056CPC1C2	12/360005	1/26/2009		
IRDM.056CPC2	11/438913	5/23/2006	5/13/2008	7372619
IRDM.056CPC2C1	11/564800	11/29/2006	4/8/2008	7355782
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IRDM.056CPC3	11/150682	6/10/2005	6/17/2008	7388706
IRDM.056CPC4	11/255347	10/21/2005	6/26/2007	7236284
IRDM.056CPC5	11/445926	6/1/2006	3/6/2007	7187489
IRDM.056CPC5C1	11/584425	10/20/2006		
IRDM.056CPC7	11/492533	7/24/2006		
IRDM.056CPC7C	12/336357	12/16/2008		
IRDM.056CPCP	11/140561	5/26/2005		
IRDM.056CPD1	10/012092	11/13/2001	11/18/2003	6650455
IRDM.056CPD2	10/224029	8/19/2002	9/19/2006	7110158
IRDM.057A	11/090774	3/25/2005	7/29/2008	7405924
IRDM.057A2	11/090481	3/25/2005	5/6/2008	7368803
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IRDM.057PR	60/613408	9/27/2004		
IRDM.058A	11/134028	5/20/2005	11/4/2008	7446926
IRDM.058PR	60/613564	9/27/2004		
IRDM.059A1	11/090552	3/25/2005	9/2/2008	7420728
IRDM.059A2	11/090778	3/25/2005	9/30/2008	7429334
IRDM.059PR	60/613401	9/27/2004		
IRDM.060A	11/073295	3/4/2005	4/15/2008	7359066
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IRDM.060PR	60/613537	9/27/2004		
IRDM.061A	11/213644	8/19/2005		
IRDM.061DV1	12/265689	11/5/2008		
IRDM.061PR	60/613481	9/27/2004		
IRDM.062A	11/155939	6/17/2005		
IRDM.062PR	60/613488	9/27/2004		

EXHIBIT A  
US Patents and Patent Applications

IDC, LLC -- QUALCOMM MEMS Technologies, Inc.  
Assignment Executed September 25, 2009

Attorney Docket No.	Application No.	Filing Date	Issue Date	Patent No.
IRDM.063A1	11/218887	9/2/2005		
IRDM.063A2	11/228118	9/16/2005	6/9/2009	7545550
IRDM.063A2DV1	12/467130	5/15/2009		
IRDM.063PR	60/613319	9/27/2004		
IRDM.064A	11/048662	1/27/2005		
IRDM.064A2	11/208052	8/19/2005	2/5/2008	7327510
IRDM.064A2C1	11/961744	12/20/2007	5/12/2009	7532386
IRDM.064A3	11/203613	8/12/2005		
IRDM.064PR	60/613499	9/27/2004		
IRDM.065A1	11/118110	4/29/2005		
IRDM.065A2	11/118605	4/29/2005		
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IRDM.066A	11/156335	6/17/2005	3/24/2009	7508571
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IRDM.066PR	60/613535	9/27/2004		
IRDM.067A	11/064143	2/22/2005		
IRDM.067PR	60/613951	9/27/2004		
IRDM.068A	11/140560	5/27/2005		
IRDM.068CP1	11/698521	1/25/2007		
IRDM.068PR	60/613298	9/27/2004		
IRDM.069A	11/096545	4/1/2005	11/27/2007	7302157
IRDM.069C1	11/861222	9/25/2007	2/17/2009	7492503
IRDM.069C1C1	12/343111	12/23/2008		
IRDM.069PR	60/613539	9/27/2004		
IRDM.070A	11/066724	2/24/2005	12/2/2008	7460246
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IRDM.070PR	60/613624	9/27/2004		
IRDM.071A	11/078025	3/11/2005		
IRDM.071PR	60/613487	9/27/2004		
IRDM.072PR	60/613419	9/27/2004		
IRDM.073A	11/155379	6/17/2005	6/30/2009	7553684
IRDM.073DV1	12/494032	6/29/2009		
IRDM.073PR	60/613496	9/27/2004		
IRDM.074A	11/107518	4/15/2005	6/23/2009	7551246
IRDM.074PR	60/613300	9/27/2004		
IRDM.075A	11/140498	5/27/2005		
IRDM.075PR	60/613280	9/27/2004		
IRDM.076PR	60/613956	9/27/2004		
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EXHIBIT A  
US Patents and Patent Applications

IDC, LLC -- QUALCOMM MEMS Technologies, Inc.  
Assignment Executed September 25, 2009

Attorney Docket No.	Application No.	Filing Date	Issue Date	Patent No.
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EXHIBIT A  
US Patents and Patent Applications

IDC, LLC -- QUALCOMM MEMS Technologies, Inc.  
Assignment Executed September 25, 2009

Attorney Docket No.	Application No.	Filing Date	Issue Date	Patent No.
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IRDM.098A	11/083030	3/17/2005		
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IRDM.104PR	60/613538	9/27/2004		
IRDM.105A	11/188130	7/22/2005	1/9/2007	7161730
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EXHIBIT A  
US Patents and Patent Applications

DC, LLC -- QUALCOMM MEMS Technologies, Inc.  
Assignment Executed September 25, 2009

Attorney Docket No.	Application No.	Filing Date	Issue Date	Patent No.
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EXHIBIT A  
US Patents and Patent Applications

IDC, LLC – QUALCOMM MEMS Technologies, Inc.  
Assignment Executed September 25, 2009

Attorney Docket No.	Application No.	Filing Date	Issue Date	Patent No.
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EXHIBIT A  
US Patents and Patent Applications

IDC, LLC -- QUALCOMM MEMS Technologies, Inc.  
Assignment Executed September 25, 2009

Attorney Docket No.	Application No.	Filing Date	Issue Date	Patent No.
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IRDM.31CPDCC40	11/842034	8/20/2007		
IRDM.31CPDCC5	11/192436	7/23/2005	12/9/2008	7463421
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IRDM.31CPDCC6	11/347013	2/3/2006		
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EXHIBIT A  
US Patents and Patent Applications

IDC, LLC -- QUALCOMM MEMS Technologies, Inc.  
Assignment Executed September 25, 2009

<u>Attorney Docket No.</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Issue Date</u>	<u>Patent No.</u>
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