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Client Code: QCO.040DV1/050987D1RECORDATION FORM COVER SHEET PATENTS ONLY

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

1. Name of conveying party(ies): (List using letters or numbers for multiple parties) Qualcomm MEMS Technologies, Inc. Additional name(s) of conveying party(ies) attached? () Yes (X) No 3. Nature of conveyance: (X) Assignment () Security Agreement () Merger () Change of Name () Other: Execution Date: (List as in section 1 if multiple signatures)	2. Name and address of receiving party(ies): Name: Qualcomm Incorporated Street Address: 5775 Morehouse Drive City: San Diego State: CA ZIP: 92121 Additional name(s) of receiving party(ies) attached? () Yes (X) No 4. US or PCT Application number(s) or US Patent number(s):
May 23, 2007	(X) Patent Application No.: 12/128,469 Filing Date: May 28, 2008Additional numbers attached?() Yes (X) No
Party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved: 1
Customer No. 59,747 Address: Knobbe, Martens, Olson & Bear, LLP	
2040 Main Street, 14 th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: QCO.040DV1/050987D1	
7. Total fee (37 CFR 1.21(h)): \$40	8. Deposit account number: 11-1410
(X) Authorized to be charged to deposit account	Please charge this account for any additional fees which may be required, or credit any overpayment to this account.
 Statement and signature. To the best of my knowledge and belief, the foregoing is a true copy of the original document. 	g information is true and correct, and any attached copy
Cynthia Arko Name of Person Signing	
61,420 Registration No. Signa	10 · 13 · 2009 Date
Total number of pages including cover	sheet, attachments and document: 9

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ASSIGNMENT

WHEREAS, QUALCOMM MEMS Technologies, Inc., a Delaware corporation having offices at 5775 Morehouse Drive, San Diego, California 92121 U.S.A. (hereinafter "ASSIGNOR"), represents and warrants that it is the sole owner of the entire right, title, and interest to certain new and useful improvements for which ASSIGNOR has issued Letters Patents and applications for Letters Patents in the United States (hereinafter "the Patents and Patent Applications") identified in the list attached hereto as Exhibit A;

WHEREAS. QUALCOMM Incorporated, a Delaware corporation having offices at 5775 Morehouse 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, in consideration of One Dollar (\$1.00) to ASSIGNOR, and other good and valuable consideration, the receipt of which is hereby acknowledged. ASSIGNOR hereby further acknowledges that it has sold, assigned, and transferred, and by these presents 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, reissues, reexaminations, renewals, and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent that may hereafter be filed 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, continuing, and reissue applications, make all rightful oaths, 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.

Page 2 of 2

IN TESTIMONY WHEREOF, I hereunto	set my hand and seal this 23rd day of
	OUALCOMM MEMS Technologies, Inc.
	By: The By
•	Name Printed: Clarence Chui
	Title: VP, Technology
	Date: 5/23/07
IN TESTIMONY WHEREOF, acknowledged 20	hereunto this day of,
	QUALCOMM Incorporated
	Ву:
	Name Printed: Philip P. Lec
	Title: Patent Coursel
	Date: 6/1/07

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EXHIBIT A
Assignment from QUALCOMM MEMS Technologies, Inc. to QUALCOMM Incorporated

PROTECTIVE COATINGS USING MULTI- COMPONENT SACRIFICIAL LAYERS	plication No.	NOB Ref. QMT Ref
COMPONENT SACRIFICIAL LAYERS COMPONENT SACRIFICIAL LAYERS	11/367098	CO.017A 050279
11/145416		
INTERNAL POLARIZATION AND DRIVE METHOD		
METHOD	11/145416	CO.021A 050351
11/413239		
MEMS DISPLAY DEVICE		
60/678361 5/5/2006 SYSTEM AND METHOD FOR DRIVING A MEMS DISPLAY DEVICE 11/429571 5/5/2006 DYNAMIC DRIVER IC AND DISPLAY QCO.030A 05/10/2006 DYNAMIC DRIVER IC AND DISPLAY QCO.030A 05/10/2006 DYNAMIC DRIVER IC AND DISPLAY QCO.030PR 05/10/2006 DYNAMIC DRIVER IC AND DISPLAY QCO.030PR 05/10/2006 QCO.031A QC	11/413239	CO.029A 050535
MEMS DISPLAY DEVICE 11/429571 5/5/2006 DYNAMIC DRIVER IC AND DISPLAY QCO.030A 050 PANEL CONFIGURATION QCO.030PR 0500 PANEL CONFIGURATION QCO.030PR 0500 PANEL CONFIGURATION QCO.030PR 0500 PANEL CONFIGURATION QCO.031A 0500 QCO.031A QCO.0		
11/429571 5/5/2006 DYNAMIC DRIVER IC AND DISPLAY PANEL CONFIGURATION QCO.030A 050	60/6/8361	O.029PR 050535P1
PANEL CONFIGURATION G0/678482 5/5/2005 DYNAMIC DRIVER IC AND DISPLAY QCO.030PR 0508	44/400574	
60/678482 5/5/2005 DYNAMIC DRIVER IC AND DISPLAY PANEL CONFIGURATION 11/404449 4/14/2008 SYSTEMS AND METHODS OF ACTUATING QCO.031A 05/04/2005 OSSTEMS AND METHOD FOR DRIVING A MEMS DISPLAY ELEMENTS 05/05/2005 SYSTEM AND METHOD FOR DRIVING A MEMS DISPLAY DEVICE 11/490880 7/21/2006 MEMS DEVICES HAVING OVERLYING SUPPORT STRUCTURES AND METHODS OF FABRICATING THE SAME 05/05/2005 OSSTEM AND METHODS OF FABRICATING THE SAME OSSTEM OF FABRICATING AN INTERFEROMETRIC MODULATOR COMPRISING RIGID SUPPORT STRUCTURES SUPPORT STRUCTURE FOR MEMS DEVICE AND METHODS THEREFOR OSSTEM OF TAXABLE OF	11/4295/1	CO.030A 050653
PANEL CONFIGURATION 11/404449	60/070/00	0.00000
11/404449	00/078482	O.030PR 050653P1
MEMS DISPLAY ELEMENTS S76/2005 SYSTEM AND METHOD FOR DRIVING A QCO.031PR 0503 MEMS DISPLAY DEVICE 11/490880 7/21/2006 MEMS DEVICES HAVING OVERLYING QCO.032A1 0508 SUPPORT STRUCTURES AND METHODS OF FABRICATING THE SAME 11/491490 7/21/2006 MEMS DEVICES HAVING SUPPORT QCO.032A2 0508 STRUCTURES AND METHODS OF FABRICATING THE SAME 60/701655 7/22/2005 METHOD OF FABRICATING AN INTERFEROMETRIC MODULATOR COMPRISING RIGID SUPPORT STRUCTURES STRUCTURES O508 O509 O508 O509	11/40/4/0	20.0044
60/678473 5/5/2005 SYSTEM AND METHOD FOR DRIVING A MEMS DISPLAY DEVICE	11/404449	CO.031A 050386
MEMS DISPLAY DEVICE		
MEMS DISPLAY DEVICE	60/678473	O.031PR 050386P1
SUPPORT STRUCTURES AND METHODS OF FABRICATING THE SAME		
SUPPORT STRUCTURES AND METHODS OF FABRICATING THE SAME	11/490880	O.032A1 050851U1
11/491490		
STRUCTURES AND METHODS OF FABRICATING THE SAME		
FABRICATING THE SAME	11/491490	O.032A2 050851U2
60/701655		
INTERFEROMETRIC MODULATOR COMPRISING RIGID SUPPORT STRUCTURES		
COMPRISING RIGID SUPPORT STRUCTURES 11/491389 7/21/2006 SUPPORT STRUCTURE FOR MEMS DEVICE AND METHODS THEREFOR 60/702080 7/22/2005 SUPPORT STRUCTURE FOR MEMS DEVICE 11/506770 8/18/2006 METHODS FOR ETCHING LAYERS WITHIN A MEMS DEVICE TO ACHIEVE A TAPERED EDGE 11/506622 8/18/2006 METHODS FOR FORMING LAYERS WITHIN A MEMS DEVICE USING LIFTOFF PROCESSES TO ACHIEVE A TAPERED	60/701655	O.032PR 050851P1
STRUCTURES	·	
11/491389		
DEVICE AND METHODS THEREFOR 60/702080 7/22/2005 SUPPORT STRUCTURE FOR MEMS DEVICE 11/506770 8/18/2006 METHODS FOR ETCHING LAYERS WITHIN A MEMS DEVICE TO ACHIEVE A TAPERED EDGE 11/506622 8/18/2006 METHODS FOR FORMING LAYERS WITHIN A MEMS DEVICE USING LIFTOFF PROCESSES TO ACHIEVE A TAPERED		
60/702080 7/22/2005 SUPPORT STRUCTURE FOR MEMS QCO.033PR 0510	11/491389	O.033A 051008
DEVICE 11/506770 8/18/2006 METHODS FOR ETCHING LAYERS QCO.034A1 0509 WITHIN A MEMS DEVICE TO ACHIEVE A TAPERED EDGE 11/506622 8/18/2006 METHODS FOR FORMING LAYERS QCO.034A2 0509 WITHIN A MEMS DEVICE USING LIFTOFF PROCESSES TO ACHIEVE A TAPERED		
11/506770 8/18/2006 METHODS FOR ETCHING LAYERS QCO.034A1 0509 WITHIN A MEMS DEVICE TO ACHIEVE A TAPERED EDGE 11/506622 8/18/2006 METHODS FOR FORMING LAYERS QCO.034A2 0509 WITHIN A MEMS DEVICE USING LIFTOFF PROCESSES TO ACHIEVE A TAPERED	60/702080	O.033PR 051008P1
WITHIN A MEMS DEVICE TO ACHIEVE A TAPERED EDGE 11/506622 8/18/2006 METHODS FOR FORMING LAYERS QCO.034A2 0509 WITHIN A MEMS DEVICE USING LIFTOFF PROCESSES TO ACHIEVE A TAPERED	14/506770	
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11/506622 8/18/2006 METHODS FOR FORMING LAYERS QCO.034A2 0509 WITHIN A MEMS DEVICE USING LIFTOFF PROCESSES TO ACHIEVE A TAPERED		
WITHIN A MEMS DEVICE USING LIFTOFF PROCESSES TO ACHIEVE A TAPERED	11/506622	0.03440 0.50044110
PROCESSES TO ACHIEVE A TAPERED	117000022	O.034A2 050941U2
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l ledge	1	
	11/506600	0.03443 050044110
STRUCTURES WITH SUBSTANTIALLY	111000000	O.034A3 050941U3
VERTICAL SIDEWALLS AND METHODS	Ì	
FOR FABRICATING THE SAME	į	
	11/506594	0.034A4 050941U4
STRUCTURES CONFIGURED TO		J.007/14 0008#10#
MINIMIZE STRESS-RELATED	ł	
DEFORMATION AND METHODS FOR		
FABRICATING SAME	·]	

EXHIBIT A
Assignment from QUALCOMM MEMS Technologies, Inc. to QUALCOMM Incorporated

			and the second s		
	60/710019	8/19/2005	SUPPORT STRUCTURES FOR MEMS DEVICES AND METHODS FOR FORMING	QCO.834PR	050941P1
-	11/540485	9/29/2006	THE SAME MEMS DEVICE AND INTERCONNECTS	QCO.035A	051355
-	60/723540	9/30/2005	FOR SAME MEMS DEVICE HAVING INTERCONNECTS FORMED OF SACRIFICIAL MATERIAL	QCO.035PR	051355P1
ļ	60/718920	9/20/2005	ETCHING SYSTEM AND METHOD	QCO.037PR	050377P1
-	11/321134	12/29/2005	METHOD OF CREATING MEMS DEVICE	QCO.039A	050838
	11/324 134	12129/2003	CAVITIES BY A NON-ETCHING PROCESS	GGO.038A	030636
	11/334990	1/18/2006	SILICON-RICH SILICON NITRIDES AS ETCH STOPS IN MEMS MANUFACTURE	QCO.040A	050987
-	11/360131	2/22/2006	ELECTRICAL CONDITIONING OF MEMS DEVICE AND INSULATING LAYER THEREOF	QCO.041A	051184
	11/405116	4/17/2006	MODE INDICATOR FOR INTERFEROMETRIC MODULATOR DISPLAYS	QCO.043A	050188
	11/673330	2/9/2007	METHOD AND SYSTEM FOR UPDATING OF DISPLAYS SHOWING DETERMINISTIC CONTENT	QCO.044A	050370
	60/772613	2/10/2006	METHOD AND SYSTEM FOR UPDATING OF DISPLAYS SHOWING DETERMINISTIC CONTENT	QCO.044PR	050370P1
	11/331705	1/13/2006	INTERCONNECT STRUCTURE FOR MEMS DEVICE	QCO.045A	050702
	11/317421	12/22/2005	SYSTEM AND METHOD FOR POWER REDUCTION WHEN DECOMPRESSING VIDEO STREAMS FOR INTERFEROMETRIC MODULATOR DISPLAYS	QCO.046A	050576
	11/296656	12/7/2005	METHOD AND SYSTEM FOR WRITING DATA TO MEMS DISPLAY ELEMENTS	QCO.048A	060012
	11/401023	4/10/2006	INTERFEROMETRIC OPTICAL DISPLAY SYSTEM WITH BROADBAND CHARACTERISTICS	QCO.049A	051229
	11/406776	4/19/2006	NON-PLANAR SURFACE STRUCTURES AND PROCESS FOR MICROELECTROMECHANICAL SYSTEMS	QCO.050A	051264
	11/406981	4/19/2006	NON-PLANAR SURFACE STRUCTURES AND PROCESS FOR MICROELECTROMECHANICAL SYSTEMS	QCO.051A	051308
	11/406866	4/19/2006	NON-PLANAR SURFACE STRUCTURES AND PROCESS FOR MICROELECTROMECHANICAL SYSTEMS	QCO.052A	051324
	11/360162	2/23/2006	MEMS DEVICE HAVING A LAYER MOVABLE AT ASYMMETRIC RATES	QCO.053A	050618

EXHIBIT A
Assignment from QUALCOMM MEMS Technologies, inc. to QUALCOMM Incorporated

11/439012	5/22/2006	BACK-TO-BACK DISPLAYS	QCQ.054A	050427
11/358997	2/21/2006	METHOD FOR PROVIDING AND	QCO.055A	050730
		REMOVING DISCHARGING		
		INTERCONNECT FOR CHIP-ON GLASS		
•		OUTPUT LEADS AND STRUCTURES		ł
		THEREOF		
11/479865	6/29/2006	PASSIVE CIRCUITS FOR DE-	QCO.056A	051326
		MULTIPLEXING DISPLAY INPUTS		
11/647822	12/29/2006	SWITCHES FOR SHORTING DURING	QCO.057A	050857U
		MEMS ETCH RELEASE		
11/648244	12/29/2006	PERIPHERAL SWITCHES FOR MEMS	QCO.057A2	050857U
		DISPLAY TEST		
11/656681	1/23/2007	MEMS DEVICE WITH INTEGRATED	QCO.058A	060187
		OPTICAL ELEMENT		
60/762723	1/27/2006	MEMS DEVICE WITH INTEGRATED	QCO.058PR	060187P
		OPTICAL ELEMENT		- , - , - , - ,
11/453633	6/15/2006	SYSTEM AND METHOD FOR PROVIDING	QCO.059A	060216
		RESIDUAL STRESS TEST STRUCTURES		
60/757048	1/6/2006	SYSTEM AND METHOD FOR PROVIDING	QCO.059PR	060216F
		RESIDUAL STRESS TEST STRUCTURES		700270
11/407730	4/19/2006	MICROELECTROMECHANICAL DEVICE	QCO.060A	060004
		AND METHOD UTILIZING	400.000.	00000
		NANOPARTICLES		
11/407470	4/19/2006	MICROELECTROMECHANICAL DEVICE	QCO.061A	060032
1107 1	17.1072000	AND METHOD UTILIZING A POROUS	Q00.0017	000002
ĺ		SURFACE		
11/445529	6/1/2006	PATTERNING OF MECHANICAL LAYER IN	QCO,062A	050985
1,77,000	0/ //2000	MEMS TO REDUCE STRESSES AT	Q00,002A	000000
		SUPPORTS		
11/416920	5/3/2006	ELECTRODE AND INTERCONNECT	QCO.063A	060024
177410020	\$1\$1£\$\$\$	MATERIALS FOR MEMS DEVICES	QCC.000A	000024
11/445607	6/1/2006	PROCESS AND STRUCTURE FOR	QCO.064A	060141
1114-10007	Q7 172.000	FABRICATION OF MEMS DEVICE HAVING	QQQ.004A	000141
i	•	ISOLATED EDGE POSTS		
11/591809	11/2/2006	COMPATIBLE MEMS SWITCH	QCO.065A	DEA454
1 1/00 1000	CHAIAUUU	ARCHITECTURE	400.003A	050424
11/454162	6/15/2006	METHOD AND APPARATUS FOR LOW	QCO,066A	ስድስለ ነላ
1 1/704 104	U/ 10/2000	RANGE BIT DEPTH ENHANCEMENT FOR	QCO,000A	050946
		i .		
11/595621	11/9/2006	MEMS DISPLAY ARCHITECTURES TWO PRIMARY COLOR DISPLAY	000 0074	ÒE OO 4 O
11/472880	·		QCO.067A	050648
11/4/ 2000	6/21/2006	SYSTEMS AND METHODS FOR DRIVING	QCO.068A	050340
14/470700	<i>ድ ነ</i> ጋሲ /የነርስሶ	MEMS DISPLAY		Ar 1 AAA
11/478702	6/30/2006	METHOD OF MANUFACTURING MEMS	QCO.069A	051222
I		DEVICES PROVIDING AIR GAP CONTROL		
44/044646	40 (40 0000	MEMO CHATOLEO METI DESCRIPTIO		AA+4
11/641649	12/19/2006	MEMS SWITCHES WITH DEFORMING	QCO.070A	060209
14/504040	All file with the state of	MEMBRANES		
11/504319	8/15/2006	HIGH PROFILE CONTACTS FOR MICROELECTROMECHANICAL SYSTEMS	QCO.071A	050855
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EXHIBIT A
Assignment from QUALCOMM MEMS Technologies, Inc. to QUALCOMM Incorporated

	11/476317	6/28/2006	SUPPORT STRUCTURE FOR FREE-	QCO.072A	060310U1
			STANDING MEMS DEVICE AND METHODS		
			FOR FORMING THE SAME		
	11/476998	6/28/2006	SUPPORT STRUCTURE FOR FREE-	QCO.072A2	060310U2
			STANDING MEMS DEVICES AND		
			METHODS FOR FORMING THE SAME	1	
	10/249061	3/13/2003	OPTICAL INTERFERENCE TYPE PANEL	QCO.073A	061102
1			AND THE MANUFACTURING METHOD		
			THEREOF		į
	10/249243	3/26/2003	OPTICAL INTERFERENCE TYPE OF	QCO.074A	061103
			COLOR DISPLAY HAVING OPTICAL		
			DIFFUSION LAYER BETWEEN		
			SUBSTRATE AND ELECTRODE		
	10/711665	9/30/2004	OPTICAL INTERFERENCE TYPE OF	QCO.074DV1	061103D1
			COLOR DISPLAY	,	
	10/249244	3/26/2003	OPTICAL INTERFERENCE COLOR	QCO.075A	061104
			DISPLAY AND OPTICAL INTERFERENCE		
			MODULATOR		
	10/670734	9/26/2003	COLOR CHANGEABLE PIXEL	QCO.076A	061109
—	10/901163	7/29/2004	COLOR CHANGEABLE PIXEL	QCO.076DV1	061109D1
	10/670737	9/26/2003	STRUCTURE OF A LIGHT-INCIDENCE	QCO.077A	061110
			ELECTRODE OF AN OPTICAL	400.01171	301170
			INTERFERENCE DISPLAY PLATE		
	10/705824	11/13/2003	METHOD FOR FABRICATING AN	QCO.078A	061106
		111.012000	INTERFERENCE DISPLAY UNIT	QUQ.07QA	001100
-	10/713508	11/14/2003	METHOD FOR FABRICATING AN	QCO.079A	061108
			INTERFERENCE DISPLAY UNIT	400.0707	00:100
 	10/706923	11/14/2003	INTERFERENCE DISPLAY UNIT	QCO.080A	061107
	11/069938	3/3/2005	METHOD FOR FABRICATING AN	QCO.080DV1	061107D1
		0,0,2,000	INTERFERENCE DISPLAY UNIT	Q00.000DV1	00 1 10 / 15 1
-	10/725585	12/3/2003	STRUCTURE OF A STRUCTURE RELEASE	QCO.081A	061111
	10/12/000	12/0/2003	AND A METHOD FOR MANUFACTURING	QCQ.061A	001111
			THE SAME		· ·
***************************************	10/742062	12/20/2003	STRUCTURE OF AN OPTICAL	QCO.082A	061105
1	1011-42002	12/20/2000	INTERFERENCE DISPLAY CELL	QCO.062A	001100
 	10/752666	1/8/2004	OPTICAL-INTERFERENCE TYPE DISPLAY	QCO.083A	061100
	10/102000	17012004	PANEL AND METHOD FOR MAKING THE	QCO.063A	001100
			SAME		
	10/752811	1/8/2004	OPTICAL-INTERFERENCE TYPE	000 0040	001101
1	10//02011	17072004	REFLECTIVE PANEL AND METHOD FOR	QCO.084A	061101
			MAKING THE SAME		
-	11/261466	10/31/2005	METHOD FOR MAKING AN OPTICAL	000 00401/4	00440404
	11/20 (400	10/01/2000	INTERFERENCE TYPE REFLECTIVE	QCO.084DV1	061101D1
1			PANEL PANEL		
- -	10/796997	3/11/2004		000 0054	004440
	וקקטה זיטי	3/ 1 1/2004	METHOD FOR FABRICATING OPTICAL INTERFERENCE DISPLAY CELL	QCO.085A	061112
ļ	11//13803	A/DO/DODE		000 00507	AA444
	11/413603	4/28/2006	OPTICAL INTERFERENCE DISPLAY CELL	QCO.085C1	061112C1
			AND METHOD OF MAKING THE SAME		
-	10/807128	2/24/2004	ODITION INTERESPENCE DICOLAY	-000 000	004446
	10/00/ 120	3/24/2004	OPTICAL INTERFERENCE DISPLAY	QCO.086A	061118
	1		PANEL AND MANUFACTURING METHOD	į	
L			THEREOF		

EXHIBIT A
Assignment from QUALCOMM MEMS Technologies, Inc. to QUALCOMM Incorporated

9/9/2005			061119
0/0/2000	INTERFERENCE DISPLAY CELL AND	QCO.087DV1	061119
	FABRICATION METHOD THEREOF		
3/24/2004		QCO.088A	061117
	PANEL		1
3/24/2004	STRUCTURE OF AN OPTICAL	QCO.089A	061122
	INTERFERENCE DISPLAY UNIT		
3/24/2004	OPTICAL INTERFERENCE DISPLAY	QCQ.090A	061116
	PANEL		
3/7/2006		OCO 090DV1	0611160
		400.00000	0011101
3/29/2004	. 1	000.0014	061121
01201200-1		G00.051A	00112
	I I		
3/20/2004		1 000 0004	00440
3/28/2004	· ·	QCO.092A	061124
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3/31/2004		QCO.093A	061118
	,		
3/31/2004		QCO.094A	061113
	PIXELS AND MANUFACTURING METHOD	}	
	THEREOF		
4/2/2004	INTERFEROMETRIC MODULATION	QCO.095A	061114
	PIXELS AND MANUFACTURING METHOD		
	THEREOF		
6/21/2004	OPTICAL INTERFERENCE REFLECTIVE	QCQ 096A	061120
		400.000/1	001120
7/2/2004		OCO 007A	061123
		7,60.000	001120
10/12/2004		000 0004	061126
107 1272004		QCO.086A	UG 1 (20
5/20/2005		000 0004	001101
J/20/2000	£	QCO.099A	061125
•	IN I EKFEKENCE COLOK DISPLAY		
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(/21/2006		QCO.105A	050671
0.10.10.000			
8/2/2005		QCO.107A	060418

10/19/2006	SACRIFICIAL SPACER PROCESS AND	QCO.108A	060836
	RESULTANT STRUCTURE FOR MEMS		
	SUPPORT STRUCTURE		
1/29/2007	HYBRID COLOR SYNTHESIS FOR	QCQ 109A	060717
	MULTISTATE REFLECTIVE	,	300117
	I I		
8/28/2006	ANGLE SWEEPING HOLOGRAPHIC	000 1114	060289
	•	QUU.ITIA	000208
4/13/2006		OCO 11200	0604200
7/10/2000		QCO. HZPK	060132P
	3/7/2006 3/29/2004 3/29/2004 3/31/2004 3/31/2004 4/2/2004 6/21/2004 7/2/2004 10/12/2004 5/20/2005 7/21/2006 8/2/2006	3/24/2004 OPTICAL INTERFERENCE DISPLAY PANEL 3/24/2004 STRUCTURE OF AN OPTICAL INTERFERENCE DISPLAY UNIT 3/24/2004 OPTICAL INTERFERENCE DISPLAY PANEL 3/7/2006 OPTICAL INTERFERENCE DISPLAY PANEL 3/29/2004 STRUCTURE OF A MICRO ELECTRO MECHANICAL SYSTEM AND THE MANUFACTURING METHOD THEREOF 3/29/2004 MICRO ELECTRO MECHANICAL SYSTEM DISPLAY CELL AND METHOD FOR FABRICATING THEREOF 3/31/2004 COLOR-CHANGEABLE PIXELS OF AN OPTICAL INTERFERENCE DISPLAY PANEL 3/31/2004 INTERFEROMETRIC MODULATION PIXELS AND MANUFACTURING METHOD THEREOF 4/2/2004 INTERFEROMETRIC MODULATION PIXELS AND MANUFACTURING METHOD THEREOF 5/21/2004 OPTICAL INTERFERENCE REFLECTIVE ELEMENT AND REPAIRING AND MANUFACTURING METHOD THEREOF 1/2/2004 INTERFERENCE DISPLAY PLATE AND MANUFACTURING METHOD THEREOF 5/20/2005 INTERFERENCE DISPLAY PLATE AND MANUFACTURING METHOD THEREOF 5/20/2005 METHOD OF MANUFACTURING OPTICAL INTERFERENCE COLOR DISPLAY 7/21/2006 SUPPORT STRUCTURE FOR MEMS DEVICE AND METHODS THEREOR MECHANICAL SYSTEM 5/20/2006 SELECTIVE ETCHING OF MEMS USING GASEOUS HALIDES AND REACTIVE COETCHANTS 10/19/2006 SACRIFICIAL SPACER PROCESS AND RESULTANT STRUCTURE FOR MEMS SUPPORT STRUCTURE INTERFEROMETRIC MODULAR DISPLAYS 8/28/2006 ANGLE SWEEPING HOLOGRAPHIC ILLUMINATOR	3/24/2004 OPTICAL INTERFERENCE DISPLAY PANEL

EXHIBIT A
Assignment from QUALCOMM MEMS Technologies, Inc. to QUALCOMM Incorporated

11/479392	6/30/2006	DETERMINATION OF INTERFEROMETRIC MODULATOR MIRROR CURVATURE AND AIRGAP VARIATION USING DIGITAL PHOTOGRAPHS	QCO.113A	060907
11/704450	2/8/2007	PASSIVE CIRCUITS FOR DE- MULTIPLEXING DISPLAY INPUTS	QCO.116A	061329
11/698609	1/25/2007	ARBITRARY POWER FUNCTION USING LOGARITHM LOOKUP TABLE	QCO.117A	060757
60/815905	6/21/2006	MEMS DEVICE HAVING A RECESSED CAVITY AND METHODS THEREFOR	QCO.120PR	061384P1
11/566172	12/1/2006	IMPROVED MEMS PROCESSING	QCO.121A	060989
11/614795	12/21/2006	METHOD AND APPARATUS FOR MEASURING THE FORCE OF STICTION OF A MEMBRANE IN A MEMS DEVICE	QCO.122A	051075
11/544978	10/6/2006	INTERNAL OPTICAL ISOLATION STRUCTURE FOR INTEGRATED FRONT OR BACK LIGHTING	QCO.123A	051269
11/545104	10/6/2006	SYSTEM AND METHOD FOR REDUCING VISUAL ARTIFACTS IN DISPLAYS	QCO.126A	061029
11/669074	1/30/2007	SYSTEMS AND METHODS OF PROVIDING A LIGHT GUIDING LAYER	QCO.129A	061011
11/646059	12/27/2006	ALUMINUM FLUORIDE FILMS FOR MICROELECTROMECHANICAL SYSTEM APPLICATIONS	QCO.130A	061401
11/613922	12/20/2006	MEMS DEVICE AND INTERCONNECTS FOR SAME	QCO.144A	061559
11/313436	12/20/2005	METHOD AND APPARATUS FOR REDUCING BACK-GLASS DEFLECTION IN AN INTERFEROMETRIC MODULATOR DISPLAY	QCO.184A	051137
11/357702	2/17/2006	METHOD AND APPARATUS FOR PROVIDING BACK-LIGHTING IN AN INTERFEROMETRIC MODULATOR DISPLAY DEVICE	QCO.185A	050976
11/408753	4/21/2006	METHOD AND APPARATUS FOR PROVIDING BRIGHTNESS CONTROL IN AN INTERFEROMETRIC MODULATOR (IMOD) DISPLAY	QCO.186A	050636
11/472,879	6/26/2006	LINEAR SOLID STATE ILLUMINATOR	QCO.187A	060040
11/588947	10/27/2006	LIGHT GUIDE INCLUDING OPTICAL SCATTERING ELEMENTS AND A METHOD OF MANUFACTURE	QCO.188A	051339
11/683787	3/8/2007	METHOD AND APPARATUS FOR PROVIDING A LIGHT ABSORBING MASK IN AN INTERFEROMETRIC MODULATOR DISPLAY	QCO.189A	061431