

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3148357

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CSR TECHNOLOGY INC.	06/08/2014
RECEIVING PARTY DATA	
Name:	QUALCOMM TECHNOLOGIES, INC.
Street Address:	5775 MOREHOUSE DRIVE
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14507678
CORRESPONDENCE DATA	
Fax Number:	(949)760-9502
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	949-760-0404
Email:	efiling@knobbe.com
Correspondent Name:	KNOBBE MARTENS OLSON AND BEAR LLP
Address Line 1:	2040 MAIN STREET
Address Line 2:	14TH FLOOR
Address Line 4:	IRVINE, CALIFORNIA 92614
ATTORNEY DOCKET NUMBER:	QCMLF.420C1 / 145911C1
NAME OF SUBMITTER:	JOHN L. PAIK
SIGNATURE:	/John L. Paik/
DATE SIGNED:	12/15/2014
Total Attachments: 11 source=asst3#page1.tif source=asst3#page2.tif source=asst3#page3.tif source=asst3#page4.tif source=asst3#page5.tif source=asst3#page6.tif	

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EXHIBIT C-2

PATENT ASSIGNMENT FOR CSR TECHNOLOGY INC.

This Patent Assignment (this "Patent Assignment") is between CSR plc, a United Kingdom public limited company ("CSR"), CSR Technology Inc., a Delaware corporation and a subsidiary of CSR having its place of business at 1060 Rincon Circle, San Jose, CA 95131 ("Assignor"), and Qualcomm Technologies, Inc., a Delaware corporation having its place of business at 5775 Morehouse Drive, San Diego, CA 92121 ("Assignee") and is effective as of June 8, 2014.

WHEREAS, CSR and Assignee have entered into that certain Asset Purchase Agreement dated as of June 8, 2014 (the "Asset Purchase Agreement") pursuant to which, among other things, CSR agreed to assign, and to cause Assignor to assign, to Assignee the Assigned Patents (as defined below).

1. Assigned Patents. The term "Assigned Patents" means the issued patents, pending patent applications set forth on Schedule A attached hereto.

2. Assignment. For good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, Assignor hereby assigns, transfers, sells and delivers to Assignee, and Assignee hereby accepts, all of Assignor's right, title and interest in and to the Assigned Patents (excluding the Retained Rights, as that term is defined in the Asset Purchase Agreement), including without limitation (i) the right to claim priority from any of the Assigned Patents including without limitation under any International Conventions, Treaties, or Agreements and, to the extent permissible under patent law, any related abandoned or expired camera imaging patents and patent applications, and solely for the purpose of claiming such priority, including without limitation under any International Conventions, Treaties, or Agreements, (ii) the right to prosecute and maintain any of the Assigned Patents, and (iii) the right to sue, claim remedies and recover and retain damages (including attorneys' fees) or lost profits for past, present and future infringement of any of the Assigned Patents and the right to seek injunctive relief for past, present and future infringement (including without limitation based on provisional rights related to published patent applications among the Assigned Patents) of any of the Assigned Patents (whether known or unknown or whether currently pending, filed or otherwise) and all other enforcement rights under, or on account of, any of the Assigned Patents, in all cases accruing at any time prior to, on, and/or after the date set forth above.

3. Recordation. Assignor hereby authorizes and requests the United States Patent and Trademark Office Commissioner for Patents and any other applicable governmental entity or registrar (including any applicable foreign or international office or registrar), to record Assignee as the assignee and owner of the Assigned Patents. Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention which may be granted upon any of the Assigned Patents in the name of Assignee, as the assignee to the entire interest therein.

4. Further Assurances. Upon Assignee's reasonable request and without further compensation, Assignor shall execute, acknowledge, and deliver all the instruments and documents and shall take all the actions reasonably necessary or required by law to consummate and make fully effective the transaction contemplated by this Patent Assignment.

5. Fees Payable to Assignor. Assignee has paid or will pay to CSR the consideration set forth in the Asset Purchase Agreement. Assignee will not have any further obligation to pay Assignor any fees or amounts in consideration of the assignment of the Assigned Patents by Assignor to Assignee.

Rather, CSR shall pay or has paid to Assignor the fees and amounts payable in connection with the assignment of the Assigned Patents by Assignor to Assignee.

6. No Warranties. This Patent Assignment provides no warranties of any kind, express or implied, with respect to the Assigned Patents, provided that the foregoing shall not be deemed or interpreted to amend, modify, reduce or limit any representations or warranties with respect to the Assigned Patents provided in the Asset Purchase Agreement.

7. Governing Law. This Patent Assignment shall be governed by, and construed in accordance with, the laws of the State of California, regardless of the laws that might otherwise govern under applicable principles of choice or conflicts of law thereof.

8. Precedence. The Asset Purchase Agreement shall take precedence over this Patent Assignment. In the event of any difference, discrepancy or conflict between any term or condition in the Asset Purchase Agreement and any term or condition in this Patent Assignment, the terms and conditions of the Asset Purchase Agreement shall prevail and govern.

9. Successors and Assigns. This Patent Assignment and all the provisions hereof shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and permitted assigns. Nothing herein, express or implied, shall give or be construed to give to any person, other than the parties hereto and such permitted assigns, any legal or equitable rights hereunder.

10. Counterparts. This Patent Assignment may be executed in two or more consecutive counterparts (including by facsimile), each of which shall be an original, with the same effect as if the signatures thereto and hereto were upon the same instrument. This Patent Assignment shall become effective when each party has signed one or more counterparts, and delivered them (by facsimile or otherwise) to the other party.

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SCHEDULE A
ASSIGNED PATENTS

Country	Title	Status	Application No.	Filing Date	Patent No.
US	Automatic Red Eye Artifact Reduction for Images	Granted	12/391,173	2/23/2009	8331666
US	TECHNIQUES OF MODIFYING IMAGE FIELD DATA BY EXTRAPOLATION	Granted	10/770,696	2/2/2004	7388610
US	Techniques of Modifying Image Field Data by Extrapolation	Granted	12/140,257	6/16/2008	7817196
US	Techniques of Modifying Image Field Data by Extrapolation	Granted	12/903,114	10/12/2010	8218037
US	TECHNIQUES FOR MODIFYING IMAGE FIELD DATA	Granted	10/749,669	12/30/2003	7391450
US	Wide Dynamic Range Image Capturing System Method And Apparatus	Granted	11/467,993	8/29/2006	7714903
US	Wide Dynamic Range Image Capturing System Method And Apparatus	Granted	12/769,365	4/28/2010	7872673
US	Wide Dynamic Range Image Capturing System Method And Apparatus	Granted	12/561,983	9/17/2009	8125536
US	Techniques for Modifying Image Field Data Obtained Using Illumination Sources	Granted	12/782,502	5/18/2010	8203622
US	Techniques for Modifying Image Field Data Obtained Using Illumination Sources	Granted	11/383,417	5/15/2006	7755672
US	Apparatus and Method for Noise Reduction with 3D LUT	Granted	12/355,713	1/16/2009	8106972
US	Auto Polarized Light Removal	Granted	13/276,102	10/18/2011	8358413
US	Auto Polarized Light Removal	Granted	12/352,520	1/12/2009	8059275
US	Method, Apparatus, and System for Reducing Blurring in an Image	Granted	12/130,733	5/30/2008	8098948
US	Method, Apparatus, and System for Reducing Blurring of an Image Using Multiple Filtered Images	Granted	12/130,993	5/30/2008	8090212
US	Method, Apparatus, and System for Object Recognition and Classification	Granted	12/130,704	5/30/2008	8160309
US	Apparatus, Method, and Manufacture for Correcting Color Shading in CMOS Image Sensors	Granted	13/361,868	1/30/2012	8374433
US	Apparatus, Method, and Manufacture for Correcting Color Shading in CMOS Image Sensors	Granted	12/272,633	11/17/2008	8131073
US	System and Method for Tiled Multiresolution Encoding/Decoding and Communication with Lossless Selective Regions of Interest Via Data Reuse	Granted	09/999,760	10/31/2001	6904176
US	Apparatus, Method and Manufacture for Iterative Auto-Focus Using Depth-From Defocus	Granted	12/409,416	3/23/2009	8218061

Country	Title	Status	Application No.	Filing Date	Patent No.
US	Robust Fast Panorama Stitching in Mobile Phones or Cameras	Granted	12/549,254	8/27/2009	8554014
US	Image Processing Under Flickering Lighting Conditions Using Estimated Illumination Parameters	Granted	13/410,256	3/1/2012	8593541
US	Image Processing Under Flickering Lighting Conditions Using Estimated Illumination Parameters	Granted	12/511,726	7/29/2009	8194152
US	Method for Progressively Determining Depth from Defocused Images	Granted	13/183,363	7/14/2011	8644697
US	Multiple Exposure High Dynamic Range Image Capture	Granted	13/090,985	4/20/2011	8525900
US	Multiple Exposure High Dynamic Range Image Capture	Granted	12/763,693	4/20/2010	8237813
US	Multiple Exposure High Dynamic Range Image Capture	Granted	13/091,068	4/20/2011	8570396
US	Exposure Control for High Dynamic Range Image Capture	Granted	12/756,035	4/7/2010	8582001
US	Advanced Sensor Binning Correction	Granted	13/330,553	12/19/2011	8666162
US	Digital camera with reduced image buffer memory and minimal processing for recycling through a service center	Granted	10/458,893	6/10/2003	7612803
US	DIGITAL CAMERA WITH REDUCED IMAGE BUFFER MEMORY AND MINIMAL PROCESSING FOR RECYCLING THROUGH A SERVICE CENTER.	Granted	12/572,117	10/1/2009	8120669
US	Method and apparatus for mapping a multi-dimensional signal from one space to another space	Granted	11/809,580	5/31/2007	7843465
US	Method and Apparatus for Mapping a Multi-Dimensional Signal from one Space to Another Space	Granted	12/911,675	10/25/2010	8098260
US	Control of Artificial Lighting of a Scene to Reduce Effects of Motion in the Scene on an Image Being Acquired	Granted	11/552,717	10/25/2006	7697836
US	Control of Artificial Lighting of a Scene to Reduce Effects of Motion in the Scene on an Image Being Acquired	Granted	12/709,667	2/22/2010	8190016
US	Control of Artificial Lighting of a Scene to Reduce Effects of Motion in the Scene on an Image Being Acquired	Granted	13/369,173	2/8/2012	8452169
US	Digital Camera with Selectively Increased Dynamic Range By Control of Parameters During Image Acquisition	Granted	11/756,733	6/1/2007	8687087
US	Image Enhancement Based on Multiple Frames and Motion Estimation	Granted	12/397,727	3/4/2009	8482620
US	Processing of video data to compensate for unintended camera motion between acquired image frames	Granted	12/767,753	4/26/2010	8289401
US	Scalable graphics image drawings on multiresolution image with/without image data	Granted	09/853,546	5/10/2001	6873343

Country	Title	Status	Application No.	Filing Date	Patent No.
	re-usage				
US	Camera exposure optimization techniques that take camera and scene motion into account	Granted	12/479,703	6/5/2009	8189057
US	Camera exposure optimization techniques that take camera and scene motion into account	Granted	11/258,975	10/25/2005	7546026
US	Techniques for modifying image field data as a function of radius across the image field	Granted	10/222,412	8/16/2002	7408576
US	Techniques for Modifying Image Field Data as a Function of Radius Across the Image Field	Granted	12/176,283	7/18/2008	7907195
US	Depth from Defocus Calibration	Granted	12/857,343	8/16/2010	8542313
US	Method and Apparatus for Image Detection with Undesired Object Removal	Granted	12/756,937	4/8/2010	8615111
US	Method and Apparatus for Image Stabilization	Granted	12/755,958	4/7/2010	8508605
US	Method and Apparatus for Low-Light Imaging Enhancement	Granted	12/834,297	7/12/2010	8339508
US	Purple Fringing Automatic Detection and Correction	Granted	13/206,763	8/10/2011	8582878
US	System and Method for Providing Multi Resolution Purple Fringing Detection and Correction	Granted	13/206,788	8/10/2011	8553978
US	Fast Autofocus Techniques for Digital Cameras	Granted	13/413,584	3/6/2012	8619182
US	Method for reducing blocking artifacts	Granted	12/185,807	8/4/2008	7706627
US	Method for reducing blocking artifacts	Granted	10/234,395	9/5/2002	7426315
US	Zero Pass JPEG Bit Rate Controller	Granted	13/540,440	7/2/2012	8634639
US	Method, Apparatus, and Manufacture for Adaptation of Video Encoder Tuning Parameters	Granted	13/253,807	10/5/2011	8711928
US	Image Enhancement Based on Multiple Frames and Motion Estimation	Granted	13/903,216	5/28/2013	8711234
US	Estimation of Point Spread Function From Motion-Blurred Images	Granted	12/721,263	3/10/2010	8698905
US	Picture and video storage management system and method	Granted	09/438,666	11/12/1999	6246797
US	Hybrid Wavelet and JPEG System and Method for Compression of Color Images	Granted	09/289,458	4/9/1999	6389160
US	Digital camera architecture with improved performance	Granted	12/781,736	3/17/2010	8237816
US	Digital Camera Architecture with Improved Performance	Granted	11/137,303	5/24/2005	7719579
US	System and method for performing wavelet and inverse wavelet transformations of digital data using semi-orthogonal wavelets	Granted	09/878,986	6/11/2001	6600838

Country	Title	Status	Application No.	Filing Date	Patent No.
US	Labeling and Sorting Items of Digital Data by Use of Attached Annotations	Granted	11/425,943	6/22/2006	8301995
US	Dynamic Range Correction Based on Image Content	Granted	12/961,400	12/6/2010	8447132
US	Optical Chromatic Aberration Correction and Calibration in Digital Cameras	Granted	11/753,732	5/25/2007	8089555
US	Optical Chromatic Aberration Correction and Calibration in Digital Cameras	Granted	13/342,153	1/2/2012	8654240
US	Advanced Noise Reduction in Digital Cameras	Granted	11/754,202	5/25/2007	7983503
US	Dynamic Range Compensation-Dependent Noise Reduction	Granted	11/754,170	5/25/2007	7889942
US	Dynamic Range Compensation-Dependent Noise Reduction	Granted	12/121,183	5/15/2008	7995856
US	Techniques of Motion Estimation When Acquiring an Image of a Scene That May be Illuminated with a Time Varying Luminance+B57	Granted	11/754,104	5/25/2007	7995097
US	Highlight Recovery Using Digital Lighting Module	Granted	11/752,817	5/23/2007	8503815
US	Dynamic Range Compensation by Filter Cascade	Granted	11/752,797	5/23/2007	7899267
US	Dynamic Identification and Correction of Defective Pixels	Granted	12/037,699	2/26/2008	8098304
US	Compensating for Non/Uniform Illumination of Object Fields Captured by a Camera	Granted	11/383,406	5/15/2006	8239179
US	Coloration Artifact Reduction	Granted	13/217,003	8/24/2011	8570433
US	Detecting Objects in an Image Being Acquired by a Digital Camera or Other Electronic Image Acquisition Device	Granted	12/023,877	1/31/2008	7961908
US	Detecting Objects in an Image Being Acquired by a Digital Camera or Other Electronic Image Acquisition Device	Granted	13/099,304	5/2/2011	8379922
US	CMOS SENSOR WITH OVER-SATURATION ABATEMENT	Granted	10/053,111	1/17/2002	7397505
US	Method and Apparatus for Post Noise Reduction Black Level Correction	Granted	12/554,106	9/4/2009	8102444
US	Method and Apparatus for Color Space Conversion Using Per-Color Selection of Look-up Table Density	Granted	11/809,562	5/31/2007	7940982
US	System and Method for Performing Wavelet-Like and Inverse Wavelet-Like Transformations of Digital Data	Granted	08/758,224	11/27/1996	5909518
US	Image compression based on tiled wavelet-like transform using edge and non-edge filters	Granted	09/687,467	10/12/2000	6549674
US	System and method for performing wavelet and inverse wavelet transformations of digital data using semi-orthogonal wavelets	Granted	09/595,341	6/15/2000	6275619

Country	Title	Status	Application No.	Filing Date	Patent No.
US	Method and apparatus for optimizing storage of compressed images in memory	Granted	09/505,111	2/16/2000	6211864
US	Method and Apparatus for Optimizing Storage of Compressed Images in Memory	Granted	08/919,699	8/28/1997	6049330
US	Memory saving wavelet-like image transform system and method for digital camera and other memory conservative applications	Granted	09/755,718	1/4/2001	6343155
US	Method and apparatus for implementing efficient CMOS photo sensors	Granted	09/413,096	10/5/1999	6465862
US	System and Method for Scalable Coding of Sparse Data Sets	Granted	08/858,035	5/16/1997	5949911
US	Image compression coder having improved bit rate control and block allocation	Granted	08/088,096	7/2/1993	5699457
US	Self-Tuning Clock Recovery Phase-Locked Loop Circuit	Granted	08/754,856	11/22/1996	5933058
US	Method and Apparatus for Decoding JPEG Symbols	Granted	09/075,580	5/11/1998	6121905
US	Method and Apparatus Utilizing a Simplified Content-Addressable Memory for JPEG Decoding	Granted	09/075,603	5/11/1998	6130631
US	Image Magnification and Selective Image Sharpening System and Method	Granted	09/307,548	5/7/1999	6411305
US	System and Method for Nested Split Coding of Sparse Data Sets	Granted	08/758,590	11/27/1996	5748116
US	System and Method for Nested Split Coding of Sparse Data Sets	Granted	08/958,450	10/27/1997	5886651
US	System and Method for Efficiently Encoding Video Frame Sequences	Granted	08/962,091	10/31/1997	6031940
US	System and method for encoding video data using computationally efficient adaptive spline wavelets	Granted	09/445,100	3/24/2000	6587507
US	Multiresolution Compressed Image Management System and Method	Granted	09/060,398	4/14/1998	6041143
US	Image Data Interpolation System and Method	Granted	09/232,174	1/15/1999	6496608
US	Method of adaptively enhancing a digital image	Granted	09/511,432	2/23/2000	6807313
US	Image enhancement filter with adaptive threshold	Granted	09/499,364	2/10/2000	6614944
US	A Digital Camera Imaging Module	Granted	09/364,565	7/30/1999	7092031
US	Multi-resolution image data management system and method based on tiled wavelet-like transform and sparse data coding	Granted	10/969,495	10/19/2004	6978049
US	Multi-resolution image data management system and method based on tiled wavelet-like transform and sparse data coding	Granted	10/347,422	1/17/2003	6807308
US	Multi-resolution image data management system and method based on tiled wavelet-like transform and distinct bitstreams for distinct groups of bit	Granted	11/282,367	11/17/2005	7206451

Country	Title	Status	Application No.	Filing Date	Patent No.
	planes				
US	Method and apparatus for distributing light onto electronic image sensors	Granted	10/281,388	10/24/2002	7176446
US	Method and apparatus for testing CMOS image sensors	Granted	09/434,097	11/5/1999	6625558
US	Image Sensor Circuits including Sampling Circuits used therein for Performing Correlated Double Sampling	Granted	09/406,979	9/28/1999	7133074
US	Method and Apparatus for a CMOS Image Sensor with a Distributed Amplifier	Granted	09/113,395	7/10/1998	6130423
US	Method and apparatus for a CMOS image sensor with a distributed amplifier	Granted	09/957,343	9/19/2001	7157682
US	Method and Architecture for an Improved CMOS Color Image Sensor	Granted	09/352,494	7/13/1999	7129978
US	Graphic image re-encoding and distribution system and method	Granted	09/952,443	9/13/2001	7162080
US	Memory Saving Wavelet-Like Image Transform System and Method for Digital Camera and other Memory Conservative Applications	Granted	09/358,876	7/22/1999	6229926
US	System and method for encoding a video sequence using spatial and temporal transforms	Granted	09/850,947	5/7/2001	6347157
US	Dynamic Identification and Correction of Defective Pixels	Granted	10/615,277	7/7/2003	7388609
US	Advertising through recyclable digital cameras	Published	12/879,389	9/10/2010	
US	System and Method for Face Tracking	Allowed	12/492,538	6/26/2009	
US	In-Camera Panorama Image Stitching Assistance	Published	12/536,728	8/6/2009	
US	In Camera Implementation of Selecting and Stitching Frames for Panoramic Imagery	Published	13/359,303	1/26/2012	
US	Digital Video Stabilization for Multi-View Systems	Pending	13/330,589	12/19/2011	
US	Method, Apparatus and Manufacture for Smiling Face Detection	Published	13/423,039	3/16/2012	
US	Device and Algorithm for Capturing High Dynamic Range (HDR) Video	Published	13/540,476	7/2/2012	
US	Method for determining the extent of a foreground object in an image	Allowed	13/453,749	4/23/2012	
US	System and Method for Real Time 2D to 3D Conversion of Video in a Digital Camera	Published	13/427,768	3/22/2012	
US	System and Method for Real Time 2D to 3D Conversion of Video in a Digital Camera	Pending	13/828,226	3/14/2013	
US	Method, Apparatus, and Manufacture for Enhanced Resolution for Images from High Dynamic Range (HDR) Interlaced Sensors	Pending	13/932,905	7/1/2013	
US	Method, Apparatus, and Manufacture for On-Camera HDR Panorama	Allowed	13/346,551	1/9/2012	
US	Depth Estimation Based on Interpolation of Inverse Focus Statistics	Pending	13/675,944	11/13/2012	

Country	Title	Status	Application No.	Filing Date	Patent No.
US	Multiple Exposure High Dynamic Range Image Capture	Pending	13/569,118	8/7/2012	
US	Image Capture for Later Refocusing or Focus-Manipulation	Published	13/346,602	1/9/2012	
US	Method for Creating Automatic Cinemagraphs on an Imaging Device	Published	13/656,442	10/19/2012	
US	Advanced Noise Reduction in Digital Cameras	Allowed	13/231,060	9/13/2011	
US	Detecting Objects in an Image Being Acquired by a Digital Camera or Other Electronic Image Acquisition Device	Published	13/735,886	1/7/2013	
US	System and Method for Multiple-Frame Based "Super Resolution" Interpolation for Digital Cameras	Pending	14/183,082	2/18/2014	
US	Video Encoder with an Integrated Temporal Filter	Published	12/511,777	7/29/2009	
US	System and Method for Automatic Exposure and Dynamic Range Compression	Pending	13/946,277	7/19/2013	
US	System and Method for Single-Frame Based Super Resolution Interpolation for Digital Cameras	Pending	13/921,712	6/19/2013	
DE	Multiple Exposure High Dynamic Range Image Capture	Granted	602012000493.2	4/20/2012	EP2515273
EP	Multiple Exposure High Dynamic Range Image Capture	Granted	12164871.1	4/20/2012	EP2515273
GB	Multiple Exposure High Dynamic Range Image Capture	Granted	12164871.1	4/20/2012	EP2515273
CN	Multiple Exposure High Dynamic Range Image Capture	Published	201210120598.9	4/19/2012	
CN	Digital Video Stabilizer for Sensors with Rolling Shutter or Global Shutter	Published	201080046520.6	04/07/2010	
DE	Multiple Exposure High Dynamic Range Image Capture	Published	102012007838.2	4/19/2012	
DE	Method and Apparatus for Image Correction	Published	112010003748.5	09/23/2010	
DE	Zero Pass JPEG Bit Rate Controller	Published	102012015084.9	7/30/2012	
DE	In Camera Implementation of Selecting and Stitching Frames for Panoramic Imagery	Published	102012006493.4	3/30/2012	
DE	Method, Apparatus, and Manufacture for Smiling Face Detection	Published	102012020301.2	10/16/2012	
DE	Image Capture for Later Refocusing or Focus-Manipulation	Published	102012016160.3	8/14/2012	
DE	A Method for Creating Automatic Cinemagraphs on an Imaging Device	Pending	102013017122.9	10/15/2013	
DE	Depth Estimation Based on Interpolation of Inverse Focus Statistics	Pending	102013017099.0	10/15/2013	
DE	An interchangeable lens camera ("Lensor")	Pending	102013020195.0	12/2/2013	

Country	Title	Status	Application No.	Filing Date	Patent No.
DE	An interchangeable lens camera ("Lensor")	Pending	1020130275.2	12/2/2013	
DE	Fast Auto Focus Techniques For Digital Cameras	Published	102013003778.6	3/6/2013	
EP	Method and Apparatus For Image Stabilization	Published	10823753.8	04/07/2010	
EP	Method and Apparatus for Image Detection With Undesired Object Removal I	Published	10827287.3	04/08/2010	
GB	In Camera Implementation of Selecting and Stitching Frames for Panoramic Imagery	Published	1205402.9	3/27/2012	
GB	Multiple Exposure High Dynamic Range Capture	Published	GB1206833.4	4/18/2012	
GB	Method and Apparatus for Image Correction	Published	GB1204958.1	09/23/2010	
GB	Method, Apparatus, and Manufacture for Smiling Face Detection	Published	GB1216254.1	9/12/2012	
GB	Zero Pass JPEG Bit Rate Controller	Published	GB1213792.3	8/2/2012	
GB	Depth Estimation Based on Interpolation of Inverse Focus Statistics	Pending	GB1318933.7	10/28/2013	
GB	Image Capture for Later Refocusing or Focus-Manipulation	Published	GB1214349.1	8/10/2012	
GB	System and Method for Real Time 2D to 3D Conversion of Video in a Digital Camera	Published	GB1301955.9	2/4/2013	
GB	A Method and Apparatus for Automatic Generation of Cinemagraphs	Pending	GB1315659.1	9/3/2013	
GB	System and Method for Real Time 2D to 3D Conversion of Video in a Digital Camera	Pending	GB1317905.6	10/10/2013	
GB	Method for determining the extent of a foreground object in an image	Published	GB1304635.4	3/14/2013	
GB	Fast Auto Focus Techniques For Digital Cameras	Published	GB1303510.0	2/27/2013	
JP	A Method for Creating Automatic Cinemagraphs on an Imaging Device	Pending	2013-218528	10/21/2013	

IN WITNESS WHEREOF, Assignor and Assignee have caused this Patent Assignment to be executed as of the date first written above by their respective officers thereunto duly authorized.

Witness Signature: Barbara Fashbaugh
Witness Name (print): Barbara Fashbaugh

CSR plc
By: Jonathan Gent
Name: Jonathan Gent
Title: VP and Deputy GC

ASSIGNOR:
CSR Technology Inc.
By: Jonathan Gent
Name: Jonathan Gent
Title: VP and Deputy GC

ASSIGNEE:
Qualcomm Technologies, Inc.
By: Diane A. Nelles III
Name: Diane A. Nelles III
Title: VP, Corporate Development

ACKNOWLEDGMENT

State of California)
County of Santa Clara) ss:

On this 9th day of June, before me, the undersigned, personally appeared Jonathan Gent, personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed this instrument on behalf of the corporation named herein, and acknowledged that s/he executed it in such representative capacity.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.
Elizabeth Orso
Notary Public

My Commission Expires on July 2, 2016



[SIGNATURE PAGE TO PATENT ASSIGNMENT]

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