

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Integrated Device Technology, Inc.	09/26/2011
RECEIVING PARTY DATA	
Name:	QUALCOMM Incorporated
Street Address:	5775 Morehouse Drive
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121
PROPERTY NUMBERS Total: 19	
Property Type	Number
Patent Number:	6563550
Patent Number:	6532264
Patent Number:	7379626
Patent Number:	7589738
Patent Number:	7064770
Application Number:	11331281
Application Number:	12338954
Application Number:	12338960
Application Number:	12840965
Application Number:	12840955
Application Number:	12839168
Application Number:	12840973
Application Number:	12643851
Application Number:	12834731
Application Number:	12761214

501702396

PATENT
REEL: 027118 FRAME: 0860

OP \$760.00 6563550

Application Number:	12719785
PCT Number:	US1042790
PCT Number:	US1042646
PCT Number:	US1042650

CORRESPONDENCE DATA

Fax Number: (214)200-0853

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Email: ipdocketing@haynesboone.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Correspondent Name: Haynes and Boone, LLP

Address Line 1: 2323 Victory Avenue

Address Line 2: Suite 700

Address Line 4: Dallas, TEXAS 75219

ATTORNEY DOCKET NUMBER:	36340.9
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NAME OF SUBMITTER:	Gary J. Edwards
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Total Attachments: 7

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PATENT ASSIGNMENT

This **PATENT ASSIGNMENT** (the "**Assignment**"), dated as of September 26, 2011 (the "**Effective Date**"), is made by Integrated Device Technology, Inc., a Delaware corporation having its principal place of business located at 6024 Silver Creek Valley Road, San Jose, California 95138 ("**Assignor**"), in favor of QUALCOMM Incorporated, a Delaware corporation, having its principal place of business located at 5775 Morehouse Drive, San Diego, California 92121 ("**Assignee**").

WHEREAS, Assignor and Assignee are parties to that certain Asset Purchase Agreement, dated August 31, 2011 (the "**Purchase Agreement**"), pursuant to which Assignor has agreed to sell, assign, transfer, convey, and deliver to Assignee all of Assignor's right, title, and interest in and to certain assets, including, without limitation, the Assigned Patents (defined below); and

WHEREAS, pursuant to the Purchase Agreement, Assignor and Assignee have agreed to enter into this Assignment.

NOW, THEREFORE, in consideration of the promises and covenants set forth in the Purchase Agreement and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree as follows:

1. **Conveyance.** Assignor hereby sells, assigns, transfers, conveys, and delivers to Assignee all of Assignor's right, title and interest in, to and under the issued patents and patent applications listed on Schedule A, including all reissues, divisionals, continuations, continuations-in-part, revisions, reexaminations, extensions, and counterparts (whether foreign or domestic) claiming priority to or based on any of the foregoing items, together with all patents issuing therefrom, all inventions and improvements claimed or described in any of the foregoing, all rights to collect royalties and proceeds in connection with any of the foregoing (collectively, the "**Assigned Patents**"), and all rights to sue and bring other claims for past, present and future infringement, misappropriation or other violation of any of the foregoing and all rights to recover damages (including attorney's fees and expenses) or lost profits in connection therewith.

2. **Recordation.** Assignor hereby 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.

3. **Information and Assistance.**

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

3.2 If Assignee is unable for any reason to secure Assignor's signature to any document required to file, prosecute, register or memorialize the assignment of any rights under any Assigned Patents as provided under this Assignment, Assignor hereby irrevocably designates

and appoints Assignee and Assignee's duly authorized officers and agents as Assignor's agents and attorneys-in-fact to act for and on Assignor's behalf and instead of Assignor to take all lawfully permitted acts to further the filing, prosecution, registration, memorialization of assignment, issuance and enforcement of rights under such Assigned Patents, all with the same legal force and effect as if executed by Assignor. The foregoing is deemed a power coupled with an interest and is irrevocable.

4. Successors and Assigns. This 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 and 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.

5. Counterparts. This 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, and shall become effective when one or more counterparts have been signed by each party and delivered (by facsimile or otherwise) to the other party.

6. Section Headings. The section headings contained in this Assignment are for reference purposes only, and shall not in any way affect the meaning or interpretation of this Assignment.

7. Purchase Agreement Controls. This Assignment is provided pursuant to the Purchase Agreement, to which reference is made for a further statement of the rights and obligations of Assignors and Assignee with respect to the Assigned Patents. Nothing contained in this Assignment shall be deemed to modify, supersede, enlarge or affect the rights of any person under the Purchase Agreement. If any provision of this Assignment is inconsistent or conflicts with the Purchase Agreement, the Purchase Agreement shall control.

8. Governing Law. This Assignment and all claims or causes of action (whether in contract, tort or otherwise) that may be based upon, arise out of or relate to this Assignment or the negotiation, execution or performance of this Assignment shall be governed by and construed in accordance with the laws of the State of California, without giving effect to any choice or conflict of law provision or rule.

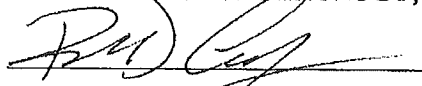
[Signature Page Follows]

IN WITNESS WHEREOF, the undersigned have caused this Patent Assignment to be executed, effective as of the Effective Date.

ASSIGNOR:

INTEGRATED DEVICE TECHNOLOGY, INC.

By:

A handwritten signature in dark ink, appearing to read "RD Crowley", is written over a horizontal line.

Name: Richard D. Crowley, Jr.

Title: Vice President & Chief Financial Officer

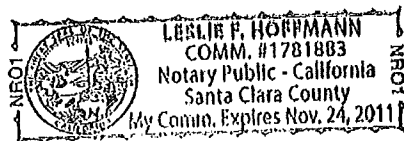
STATE OF CALIFORNIA)
) ss.
COUNTY OF SANTA CLARA)

On this 21 day of September, 2011, before me, Leslie Hoffmann, a Notary Public, State of California, duly commissioned and sworn, personally appeared, Richard D. Crowley, Jr., who proved to me on the basis of satisfactory evidence to be the person whose name is/are subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on this instrument the person, or the entity upon behalf of which the person 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:

Leslie J. Hoffmann (notary seal)
Signature/Seal



IN WITNESS WHEREOF, the undersigned have caused this Patent Assignment to be executed, effective as of the Effective Date.

Acknowledged and Accepted:

ASSIGNEE:

QUALCOMM INCORPORATED

By:



Name: James P. Lederer

Title: Executive Vice President & General Manager, OCT

SCHEDULE A TO PATENT ASSIGNMENT

WEST223657244.5
SV\828053.6

PATENT
REEL: 027118 FRAME: 0867

SCHEDULE A TO PATENT ASSIGNMENT

Case Type	Application No.	Filing Date	Patent No.	Issue Date	Title	Attorney Docket No.	IDT Ref. No.
Utility	09/517,090	3/6/2000	6,563,550	5/13/2003	Detection of Progressive Frames in A Video Field Sequence	36340.11 (70107.121)	2502-UT
Utility	09/535,563	3/27/2000	6,532,264	3/11/2003	Processing Sequential Video Images to Detect Image Motion Among Interlaced Video Fields or Progressive Video Images	36340.10 (70107.118)	2503-UT
Utility	10/922,328	8/20/2004	7,379,626	5/27/2008	Edge Adaptive Image Expansion and Enhancement System and Method	36340.16 (70107.129)	2504-UT
Utility	10/892,559	7/14/2004	7,589,738	9/15/2009	Cache Memory Management System and Method	36340.22 (70107.137)	2505-UT
Utility	10/939,044	9/9/2004	7,064,770	6/20/2006	Single-Pass Image Warping System and Method With Anisotropic Filtering	36340.12 (70107.124)	2506-UT
Utility	11/331,281	1/13/2006			Method and System For Rapid And Smooth Selection of Digitally Compressed Video	36340.21 (70107.135)	2507-UT
Utility	12/338,954	12/18/2008			Image Interpolation with Halo Reduction	36340.28 (70107.167)	2514-UT
Utility	12/338,960	12/18/2008			Motion Estimation with an Adaptive Search Range	36340.31 (70107.170)	2515-UT
Utility	12/840,965	7/21/2010			A System of Programmable Time Intervals Used for Video Signal Synchronization	36340.45 (70107.234)	2573-UT
Utility	12/840,955	7/20/2010			A System for Video Frame Synchronization Using Sub-Frame Memories	36340.44 (70107.233)	2574-UT
Utility	12/839,168	7/19/2010			System for Embedded Video Test Pattern Generation	36340.49 (70107.249)	2575-UT
Utility	12/840,973	7/21/2010			A Method and System for Detection and Enhancement of Video Images	36340.46 (70107.235)	2576-UT
Utility	12/643,851	12/21/2009			System and Method for Random Noise Estimation in a Sequence of Images	36340.50 (70107.250)	2597-UT
Utility	12/834,731	7/12/2010			Block Artifact Reducer	36340.51 (70107.251)	2598-UT
Utility	12/761,214	4/15/2010			High-definition Frame Rate Converter using a new hierarchical approach with halo reduction consideration	36340.53 (70107.258)	2624-UT
Utility	12/719,785	3/8/2010			Apparatus and Method for Motion Vector Filtering Based on Local Image Segmentation and Lattice Maps	36340.52 (70107.257)	2625-UT
PCT	PCT/US2010/042790	7/21/2010			A Method and System for Detection and Enhancement of Video Images	36340.60 PCT (70107.294 PCT)	2576-WO
PCT	PCT/US2010/042646	7/20/2010			System and Method for Random Noise Elimination in a Sequence of Images	36340.59 PCT (70107.293 PCT)	2597-WO
PCT	PCT/US2010/042650	7/20/2010			Block Artifact Reducer	36340.61 PCT (70107.295 PCT)	2598-WO