

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4011720

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
OAK TECHNOLOGY, INC.		04/19/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ZORAN CORPORATION	
<b>Street Address:</b>	1060 RINCON CIRCLE	
<b>City:</b>	SAN JOSE	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	95131	
<b>PROPERTY NUMBERS Total: 31</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	09289247	
Application Number:	09306753	
Application Number:	09317489	
Application Number:	09427963	
Application Number:	09209903	
Application Number:	09304521	
Application Number:	09427972	
Application Number:	09317810	
Application Number:	09608236	
Application Number:	09596329	
Application Number:	09418897	
Application Number:	09321491	
Application Number:	09510705	
Application Number:	09302567	
Application Number:	09417272	
Application Number:	09262860	
Application Number:	09270426	
Application Number:	09222186	
Application Number:	09222231	
Application Number:	09476580	

PATENT

Property Type	Number
Application Number:	09397617
Application Number:	09395900
Application Number:	09570372
Application Number:	09570371
Application Number:	09569676
Application Number:	09629082
Application Number:	09629081
Application Number:	09608474
Application Number:	09678948
Application Number:	09728319
Application Number:	09953459

#### CORRESPONDENCE DATA

**Fax Number:**

*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.*

**Email:** c\_sascha@qualcomm.com

**Correspondent Name:** QUALCOMM INCORPORATED

**Address Line 1:** 5775 MOREHOUSE DRIVE

**Address Line 4:** SAN DIEGO, CALIFORNIA 92121

<b>NAME OF SUBMITTER:</b>	SASCHA KOURIS
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<b>SIGNATURE:</b>	/Sascha Kouris/
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<b>DATE SIGNED:</b>	08/17/2016
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#### Total Attachments: 5

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## CONFIRMATORY PATENT ASSIGNMENT

This Confirmatory Patent Assignment ("**Patent Assignment**") is made by Oak Technology, Inc., a company duly organized under the laws of the State of Delaware and having its place of business at 139 Kifer Court, Bldg. 1, Sunnyvale, California 94086 (hereinafter "**ASSIGNOR**") to Zoran Corporation, a Delaware corporation having a place of business at 1060 Rincon Circle, San Jose, California 95131 (hereinafter "**ASSIGNEE**").

WHEREAS, Oak Technology, Inc. ("Pre-Merger Oak"), ASSIGNEE, and ASSIGNEE's wholly-owned subsidiary Zinc Acquisition Corporation entered an Agreement and Plan of Reorganization dated May 4, 2003, whereby it was determined that Pre-Merger Oak and ASSIGNEE would combine in order to advance their long-term business interests (the "Prior Agreement").

WHEREAS, pursuant to the Prior Agreement, Pre-Merger Oak merged with and into Zinc Acquisition Corporation under the name of Zinc Acquisition Corporation on August 11, 2003, and immediately thereafter on that same day Zinc Acquisition Corporation changed its name to Oak Technology, Inc. ("**ASSIGNOR**").

WHEREAS, subsequent to the Prior Agreement, ASSIGNOR and ASSIGNEE mutually agreed that ASSIGNOR would transfer ownership of all of its patents and patent applications to ASSIGNEE pursuant to multiple patent assignments to be executed in or about 2004.

WHEREAS, ASSIGNEE has acquired all right, title and interest in, to and under (i) the registered patents and patent applications identified in the Exhibit attached hereto (hereinafter the "**Exhibit 1**"), and all provisional and priority applications relating thereto; (ii) all patents issuing on or from any patent applications identified in the Exhibit 1; (iii) all reissues, reexaminations, extensions, divisionals, renewals, continuations, continuations-in-part and counterparts (whether foreign or domestic) claiming priority to any of the foregoing items in (i) or (ii) above, along with all patents issuing therefrom; and (iv) all inventions and improvements claimed or described in any of the foregoing items (i), (ii) or (iii) (subsections (i), (ii), (iii) and (iv) hereinafter collectively referred to as the "**Patent Items**").

WHEREAS, ASSIGNOR executed an assignment titled "Assignment" with respect to certain patents, including the Patent Items, dated October 13, 2004 (the "**Prior Assignment**"), and ASSIGNOR agrees to enter into this Patent Assignment to further confirm the assignment of such patents, including the Patent Items, to ASSIGNEE.

WHEREAS, ASSIGNOR hereby represents and warrants that it is the sole and exclusive owner of all right, title, and interest in, to and under the Patent Items, if and insofar as any such rights, title, and interest in, to and under the Patent Items were not already assigned, transferred, conveyed and/or delivered to ASSIGNEE pursuant to the Prior Agreement and/or the Prior Assignments.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree as follows:

1. ASSIGNOR, effective October 13, 2004, did sell and does hereby sell, assign, transfer, convey and deliver unto ASSIGNEE, its successors, legal representatives and assigns, all right, title and interest throughout the world in, to and under the Patent Items, including without limitation all foreign patents and any and all rights of priority under international conventions, treaties or agreements based on or relating to the Patent Items.

2. ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States of America, and any Official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications, to record ASSIGNEE as the assignee and owner of the Patent Items and to issue all patents for the Patent Items to and in the name of ASSIGNEE, its

successors, legal representatives and assigns, as the assignee to the entire interest therein, in accordance with the terms of this Patent Assignment.

3. ASSIGNOR hereby assigns, transfers, conveys and delivers to ASSIGNEE, its successors, legal representatives and assigns, all rights of enforcement, all claims for damages and all remedies arising out of, relating to or resulting from the Patent Items or any violation(s) thereof, whether accrued prior to the date of this Patent Assignment or hereafter, including but not limited to the right to sue for, seek, collect, recover and retain damages and any other relief arising out of or resulting from any past, present or future infringement or violation of any of the Patent Items, and all other rights, including common law rights, that ASSIGNOR may have relating to the Patent Items, including but not limited to any ongoing or prospective royalties to which ASSIGNOR may be entitled, or that ASSIGNOR may collect for any infringements of any of the Patent Items or from any settlement or agreement related to the Patent Items arising before or after the date of this Patent Agreement, such rights to be held and enjoyed by ASSIGNEE, its successors, legal representatives and assigns, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR if this Patent Assignment had not been made.

4. ASSIGNOR hereby represents and warrants that it has full right, power and authority to sell, assign, transfer, convey and deliver all of the subject matter set forth herein, and hereby covenants and agrees that upon the written request of ASSIGNEE 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 and will communicate promptly to ASSIGNEE, its successors, legal representatives and assigns, all facts known to ASSIGNOR respecting the Patent Items, and will testify in any legal proceeding, sign all lawful papers, transfer all file histories, make diligent effort to find or reach every inventor of the Patent Items necessary or appropriate in connection with preparation of any lawful document or proceeding relating to the Patent Items, make reasonable efforts to obtain all necessary or appropriate signed and executed documents relating to the Patent Items from every inventor named in the Patent Items, make all rightful declarations and/or oaths and generally do everything possible to aid ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce patent protection for the Patent Items on a worldwide basis in all countries and for perfecting, recording, or maintaining the title of ASSIGNEE, and ASSIGNEE'S successors and assigns, in and to each of the Patent Items in the United States and throughout the world. ASSIGNEE further covenants and agrees that it will wholly refrain from challenging the validity, enforceability or scope of the Patent Items, whether through opposition, re-examination and/or court proceedings.

5. 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 Patent Items as provided under this Patent 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 Patent Items, 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.

6. This Patent Assignment shall be governed in all respects by the laws of the United States of America and by the laws of the State of Delaware, without giving effect to any choice or conflict of law provision or rule.

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IN WITNESS WHEREOF, I hereunto set my hand this 19th day of April, 2016.

Signature on behalf of ASSIGNOR:

OAK TECHNOLOGY, INC.

By Its Successor-In-Interest ZORAN  
CORPORATION:

By: [Signature]

Printed Name: David T. Marr

Title: Vice-President

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of San Diego

On April 19, 2016 before me, Patricia M. Scarborough  
(insert name and title of the officer)

personally appeared David T. Marr, who  
proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) are subscribed to  
the within instrument and acknowledged to me that he/she/they executed the same in his/her/their  
authorized capacity(ies), and that by his/her/their 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.

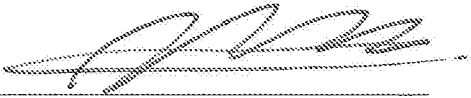
Patricia M. Scarborough  
Signature (Seal)



2016. IN WITNESS WHEREOF, acknowledged and accepted on this 10<sup>th</sup> day of April 2016

Signature on behalf of ASSIGNEE:

**ZORAN CORPORATION**

By: 

Printed Name: John DelMastro

Title: Director

**Exhibit 1  
PATENT ITEMS**

Country	App. No.	Filed Date	Patent Number	Issue/Grant Date
US	09/289,247	04/09/1999	6,574,776	06/03/2003
US	09/306,753	05/07/1999	6,425,108	07/23/2002
US	09/317,489	05/24/1999	6,532,566	03/11/2003
US	09/427,963	10/27/1999	N/A	N/A
US	09/209,903	12/11/1998	N/A	N/A
US	09/304,521	05/04/1999	6,405,343	06/11/2002
US	09/427,972	10/27/1999	N/A	N/A
US	09/317,810	05/24/1999	6,378,105	04/23/2002
US	09/608,236	06/30/2000	6,594,796	07/15/2003
US	09/596,329	06/16/2000	6,560,672	05/06/2003
US	09/418,897	10/15/1999	6,658,068	12/02/2003
US	09/321,491	05/27/1999	6,298,023	10/02/2001
US	09/510,705	02/22/2000	6,587,973	07/01/2003
US	09/302,567	04/30/1999	N/A	N/A
US	09/417,272	10/13/1999	6,532,523	03/11/2003
US	09/262,860	03/03/1999	6,581,145	06/17/2003
US	09/270,426	03/16/1999	6,321,351	11/20/2001
US	09/222,186	12/29/1998	6,459,851	10/01/2002
US	09/222,231	12/29/1998	6,618,552	09/09/2003
US	09/476,580	01/03/2000	6,587,942	07/01/2003
US	09/397,617	09/16/1999	6,430,530	08/06/2002
US	09/395,900	09/14/1999	6,568,538	05/27/2003
US	09/570,372	05/12/2000	6,826,245	11/30/2004
US	09/570,371	05/12/2000	6,788,753	09/07/2004
US	09/569,676	05/12/2000	6,675,345	01/06/2004
US	09/629,082	07/31/2000	6,779,149	08/17/2004
US	09/629,081	07/31/2000	6,757,861	06/29/2004
US	09/608,474	06/30/2000	6,883,013	04/19/2005
US	09/678,948	10/03/2000	6,560,190	05/06/2003
US	09/728,319	11/30/2000	6,388,970	05/14/2002
US	09/953,459	09/14/2001	6,725,420	04/20/2004