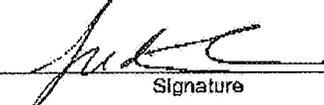


## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3818939

|   |  |
|---|--|
| <b>SUBMISSION TYPE:</b>   | CORRECTIVE ASSIGNMENT  |
| <b>NATURE OF CONVEYANCE:</b>  | Corrective Assignment to correct the NAME OF THE ASSIGNOR previously recorded on Reel 015395 Frame 0445. Assignor(s) hereby confirms the ASSIGNMENT FROM TERALOGIC GROUP, INC. TO ZORAN CORPORATION. |
| <b>CONVEYING PARTY DATA</b>   |  |
| <b>Name</b>   | <b>Execution Date</b>  |
| TERALOGIC GROUP, INC.   | 11/06/2004   |
| <b>RECEIVING PARTY DATA</b>   |  |
| <b>Name:</b>  | ZORAN CORPORATION  |
| <b>Street Address:</b>  | 1390 KIFER RD.   |
| <b>City:</b>  | SUNNYVALE  |
| <b>State/Country:</b>   | CALIFORNIA   |
| <b>Postal Code:</b>   | 94086  |
| <b>PROPERTY NUMBERS Total: 1</b>  |  |
| <b>Property Type</b>  | <b>Number</b>  |
| <b>Application Number:</b>  | 10371313   |
| <b>CORRESPONDENCE DATA</b>  |  |
| <b>Fax Number:</b>  |  |
| <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> |  |
| <b>Email:</b>   | c_szurow@qualcomm.com  |
| <b>Correspondent Name:</b>  | QUALCOMM INCORPORATED  |
| <b>Address Line 1:</b>  | 5775 MOREHOUSE DRIVE   |
| <b>Address Line 4:</b>  | SAN DIEGO, CALIFORNIA 92121  |
| <b>NAME OF SUBMITTER:</b>   | SASCHA ZUROW   |
| <b>SIGNATURE:</b>   | /Sascha Zurow/   |
| <b>DATE SIGNED:</b>   | 04/06/2016   |
| <b>Total Attachments: 3</b>   |  |
| source=156783#page1.tif   |  |
| source=156783#page2.tif   |  |
| source=156783#page3.tif   |  |

| Recordation Form Cover Sheet<br>PATENTS ONLY  |  | Attorney Docket No.: <u>003551 P049</u>              |
|---|--|--|
| To the Director of the United States Patent and Trademark Office. Please record the attached original documents or copy thereof.  |  |  |
| <p>1. Name of conveying party(ies): <u>Teralogic Group, Inc.</u><br/> <u>Teralogic Inc. by their duly authorized</u><br/> <u>officer, Chris Denton</u><br/>                     Additional name(s) of conveying party(ies) attached?<br/> <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes</p>   | <p>2. Name and address of receiving party(ies):<br/>                     Name: <u>Zoran Corporation</u><br/>                     Internal Address: _____<br/>                     Street Address: <u>1390 Kifer Rd.</u><br/>                     City: <u>Sunnyvale</u> State/Province: <u>CA</u> Zip: <u>94086</u><br/>                     Country: <u>USA</u><br/>                     Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> |  |
| <p>3. Nature of Conveyance<br/> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger<br/> <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name<br/> <input type="checkbox"/> Other:<br/>                     Execution Date(s): <u>November 6, 2004</u></p>  | <p>4. Application number(s) or patent number(s): ;<br/>                     If this document is being filed together with a new application, the execution date of the application is: _____<br/>                     A. Patent Application No.(s)<br/> <u>10/371,313</u><br/>                     Patent No.(s)<br/>                     Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>   |  |
| <p>5. Name and address of party to whom correspondence concerning document should be mailed:<br/>                     Name: <u>Blakely, Sokoloff, Taylor &amp; Zafman LLP</u><br/>                     Internal Address: _____<br/>                     Street Address: <u>12400 Wilshire Boulevard, 7<sup>th</sup> Floor</u><br/> <u>Los Angeles, California 90025</u></p> | <p>6. Total number of applications and patents involved: <u>1</u><br/>                     7. Total Fee (37 CFR 3.41).....\$ <u>40.00</u><br/> <input type="checkbox"/> Enclosed<br/> <input checked="" type="checkbox"/> Authorized to be charged to deposit account<br/>                     8. Deposit Account Number:<br/> <u>02-2666</u><br/>                     (Attach duplicate copy of this page if paying by deposit account)</p>   |  |
| DO NOT USE THIS SPACE   |  |  |
| <p>9. Statement and signature.<br/> <i>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.</i></p>   |  |  |
| <p><u>Judith A. Szepesi</u><br/>                     Name of Person Signing</p>   | <br>Signature   | <p><u>11/19/04</u><br/>                     Date</p> |
| Total number of pages including cover sheet, attachments, and documents: <u>3</u>   |  |  |

Mail documents to be recorded with required cover sheet information to:  
 Mail Stop Assignment Recordation Services  
 Director of the United States Patent and Trademark Office  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450

Based on Form PTO-1595 as modified by BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP on 05/09/03

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PATENT  
 REEL: 015395 FRAME: 0445

PATENT  
 REEL: 038366 FRAME: 0471

CH \$40.00 022666 10371313

Attorney's Docket

**ASSIGNMENT**

**PATENT**

No.: 003551.P049 (For Execution After Filing Patent Application)

Corrections By:

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, ~~Teralogic Inc.~~ <sup>Teralogic Group, Inc. Delaware</sup> a ~~California~~ <sup>Delaware</sup> Corporation, "Assignor," by their undersigned duly authorized officer

Name: David T. Marr  
Title: Vice President,  
Zoran Corporation,  
Legal Successor to  
Teralogic Group, Inc.  
Date: 07/05/16

hereby sell, assign, and transfer to Zoran Corporation

a corporation of Delaware, having a principal place of business at

1390 Kifer Road, Sunnyvale, CA 94086, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that was filed February 20, 2003 and assigned Application No. 10/371,313 and is entitled

Unique Identifier Per Chip For Digital Audio/Video Data Encryption/Decryption In Personal Video Recorders

and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

**PATENT**

**REEL: 015395 FRAME: 0446**

**PATENT**

**REEL: 038366 FRAME: 0472**

Teralogic Group, Inc.  
For Teralogic Inc.:

Corrections By:

Name: David T. Marr  
Title: Vice President,  
Zoran Corporation, Legal Successor  
to Teralogic Group, Inc.  
Date: 04/05/16

Date: 1116, 20 04  
By: \_\_\_\_\_

Name: Chris Denton  
Title: Secretary  
~~Teralogic Inc.~~  
~~1240 Villa Street~~ 1340 Wilshire Rd  
~~Mountain View, CA 94041-1124~~  
Sunnyvale CA 94086

State of: \_\_\_\_\_ }  
County of: \_\_\_\_\_ }

Assignment Document Return Address:  
SS. BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, California 90025-1026  
(408) 720-8598

On this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_, before me, \_\_\_\_\_,  
the undersigned Notary Public, personally appeared \_\_\_\_\_

personally known to me  proved to me on the basis of satisfactory evidence to  
be the person(s) whose name(s) subscribed to the within instrument, and  
acknowledged that executed it.  
WITNESS my hand and official seal.

\_\_\_\_\_  
Notary's Signature