## PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

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<tr>
<th>SUBMISSION TYPE:</th>
<th>NEW ASSIGNMENT</th>
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<td>NATURE OF CONVEYANCE:</td>
<td>ASSIGNMENT</td>
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### CONVEYING PARTY DATA

<table>
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<tr>
<th>Name</th>
<th>Execution Date</th>
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<tbody>
<tr>
<td>Gaile Lin</td>
<td>08/05/2008</td>
</tr>
<tr>
<td>Hong Guan</td>
<td>08/05/2008</td>
</tr>
<tr>
<td>Huitao Li</td>
<td>08/05/2008</td>
</tr>
</tbody>
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### RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Zoran Corporation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Address</td>
<td>1390 Kifer Road</td>
</tr>
<tr>
<td>City</td>
<td>Sunnyvale</td>
</tr>
<tr>
<td>State/Country</td>
<td>CALIFORNIA</td>
</tr>
<tr>
<td>Postal Code</td>
<td>94086</td>
</tr>
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**PROPERTY NUMBERS Total: 1**

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<tr>
<td>Application Number</td>
<td>12299248</td>
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### CORRESPONDENCE DATA

Fax Number: (202)628-8844  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
Email: knobles@crowell.com  
Correspondent Name: Kimberley G. Nobles  
Address Line 1: PO Box 14300  
Address Line 4: Washington, DISTRICT OF COLUMBIA 20044

### ATTORNEY DOCKET NUMBER:

101042.59955US (P004)

### NAME OF SUBMITTER:

Kimberley G. Nobles

Total Attachments: 2  
source=59955USAAssignment#page1.tif  
source=59955USAAssignment#page2.tif
ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

ZORAN CORPORATION
1390 Kifer Road
Sunnyvale, CA 94086

(hereinafter ASSIGNEE) all right, title and interest in and to his invention relating to:

METHOD AND APPARATUS FOR MUTE CONTROL

in any form or embodiment thereof, in the United States and all other countries, including applications for patents in all countries throughout the world and through the Patent Cooperation Treaty and/or European Patent Convention, as set forth in his United States Patent Application (check one):

- executed concurrently herewith,
- executed on ______________,
- Serial No. ______________, filed ______________,
- PCT International Application, No.: PCT/CN2008/001136, filed June 12, 2008,

including any and all applications claiming priority to said applications, divisions or continuations thereof and in and to any and all Letters Patent of the United States and all other countries which may issue on any such application or for said invention, including any and all reissues or extensions thereof, and all rights under the International Convention for the Protection of Industrial Property, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the issuing authority to issue any and all such Letters patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefore or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in
obtaining, reissuing or enforcing Letters Patent of the United States or other countries for said invention;

Each of the undersigned hereby grants the firm of CROWELL & MORING L.L.P., or any partner thereof, the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Gaile LIN

(Signature of witness (optional))
(Signature of 1st inventor)

August 5, 2008
(Date)

Hong GUAN

(Signature of witness (optional))
(Signature of 2nd inventor)

August 5, 2008
(Date)

Huitao LI

(Signature of witness (optional))
(Signature of 3rd inventor)

August 5, 2008
(Date)

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.