

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Raymond C. Zowarka Jr.</td> <td>11/04/2011</td> </tr> <tr> <td>Siddharth Pratap</td> <td>11/02/2011</td> </tr> <tr> <td>Jim Upshaw</td> <td>11/04/2011</td> </tr> <tr> <td>Michael C. Lewis</td> <td>11/02/2011</td> </tr> </tbody> </table>		Name	Execution Date	Raymond C. Zowarka Jr.	11/04/2011	Siddharth Pratap	11/02/2011	Jim Upshaw	11/04/2011	Michael C. Lewis	11/02/2011
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<table border="1"> <tr> <td>Name:</td> <td>Board of Regents of the University of Texas System</td> </tr> <tr> <td>Street Address:</td> <td>201 West 7th Street</td> </tr> <tr> <td>City:</td> <td>Austin</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>78701</td> </tr> </table>		Name:	Board of Regents of the University of Texas System	Street Address:	201 West 7th Street	City:	Austin	State/Country:	TEXAS	Postal Code:	78701
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CORRESPONDENCE DATA											
<p>Fax Number: (678)420-9301</p> <p>Phone: 6784209300</p> <p>Email: uspatentmail@ballardspahr.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Gustavo A. Narvaez</p> <p>Address Line 1: 999 Peachtree Street</p> <p>Address Line 2: Suite 1000</p> <p>Address Line 4: Atlanta, GEORGIA 30309</p>											
ATTORNEY DOCKET NUMBER:	01272.0029U3 GAN/MDM										
NAME OF SUBMITTER:	Gustavo A. Narvaez										

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Total Attachments: 6

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ASSIGNMENT

For good and valuable consideration, the receipt, sufficiency, and adequacy of which are hereby acknowledged, we,

Raymond C. Zowarka, Jr. of 8900 NIH 35, #1086, Austin, Texas 78753;

Siddharth Pratap of 11100 Sierra Montana, Austin, Texas 78759;

Jim Upshaw of 1715 Channel Road, Austin, Texas 78746; and

Michael C. Lewis of 5720 Penney Creek Drive, Austin, Texas 78759.

do hereby SELL, ASSIGN, and TRANSFER to the **Board of Regents of the University of Texas System** ("Assignee"), an institute of higher education organized and existing under the laws of Texas, having a place of business at 201 West 7th Street, Austin, Texas, 78701, the entire right, title, and interest for the United States and all foreign countries in and to the invention and any improvements thereto which are disclosed in the application for United States Letters Patent entitled "**ELECTROMAGNETIC SEISMIC VIBRATOR ARCHITECTURE**", which has been filed on **September 16, 2011** and assigned Serial No. **13/235,336**, such application and any divisional, continuation, continuation in part, substitute, renewal, reissue, re-examination applications, and all other applications which have been or shall be filed in the United States and all foreign countries on the invention and any such improvements thereto and any applications claiming priority thereto; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on the invention and such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE and REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT and COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of Assignee, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional,

continuation, continuation in part, substitute, renewal, reissue, and re-examination declarations and powers of attorney, and other papers without further consideration; communicate to the Assignee all facts known to the undersigned relating to the invention and such improvements and the history thereof; and generally do everything possible that the Assignee shall consider desirable for vesting title to the invention and such improvements in the Assignee, and for securing, maintaining, and enforcing proper patent protection for the invention and such improvements;

WARRANT that the undersigned is not aware of any adverse or competing claims to the invention made the subject of this Assignment;

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

We grant Assignee the power to correct clerical errors on this Assignment and to revise this Assignment to include additional information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

IN WITNESS WHEREOF, I have executed this Assignment this 4TH day of
NOVEMBER, 2011.

Raymond C. Zowarka, Jr. (L.S.)
RAYMOND C. ZOWARKA, JR.

State of TEXAS

County of TRAVIS

On this 4TH day of NOVEMBER, 2011, before me, a Notary Public came
RAYMOND C. ZOWARKA, JR., to me known and known to be the individual described in
and who executed the foregoing assignment, and he/she duly acknowledged the same to be
his/her free act and deed.

[Signature]
Notary Public

My Commission Expires: 3/22/15

IN WITNESS WHEREOF, I have executed this Assignment this 2nd day of November, 2011.

S.B. Pratap (L.S.)
SIDDHARTH PRATAP

State of TEXAS


County of TRAVIS

On this 2nd day of November, 2011, before me, a Notary Public came **SIDDHARTH PRATAP**, to me known and known to be the individual described in and who executed the foregoing assignment, and he/she duly acknowledged the same to be his/her free act and deed.

[Signature]
Notary Public

My Commission Expires: 3/29/15

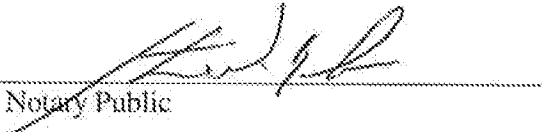
IN WITNESS WHEREOF, I have executed this Assignment this 4th day of
NOVEMBER, 2011.

 (L.S.)
JIM UPSHAW

State of TEXAS

County of TRAVIS

On this 4th day of NOVEMBER, 2011, before me, a Notary Public came
JIM UPSHAW, to me known and known to be the individual described in and who executed the
foregoing assignment, and he/she duly acknowledged the same to be his/her free act and deed.


Notary Public

My Commission Expires: 3/29/15

IN WITNESS WHEREOF, I have executed this Assignment this 2 day of
November, 2011.

Michael C. Lewis (L.S.)
MICHAEL C. LEWIS

State of TEXAS

County of TRAVIS

On this 2ND day of NOVEMBER, 2011, before me, a Notary Public came
MICHAEL C. LEWIS, to me known and known to be the individual described in and who
executed the foregoing assignment, and he/she duly acknowledged the same to be his/her free act
and deed.

[Signature]
Notary Public

My Commission Expires: 3/29/15

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