

## PATENT ASSIGNMENT

Electronic Version v1.1

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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>Bob A. Hardage</td><td>01/12/2001</td></tr><tr><td>James L. Simmons Jr.</td><td>01/12/2001</td></tr></tbody></table>	Name	Execution Date	Bob A. Hardage	01/12/2001	James L. Simmons Jr.	01/12/2001	
Name	Execution Date						
Bob A. Hardage	01/12/2001						
James L. Simmons Jr.	01/12/2001						
RECEIVING PARTY DATA							
Name:	Board of Regents for the University of Texas System						
Street Address:	201 West 7th Street						
City:	Austin						
State/Country:	TEXAS						
Postal Code:	78701						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Patent Number:</td><td>6564150</td></tr></tbody></table>	Property Type	Number	Patent Number:	6564150			
Property Type	Number						
Patent Number:	6564150						
CORRESPONDENCE DATA							
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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Total Attachments: 3 source=Vecta 0110#page1.tif source=Vecta 0110#page2.tif source=Vecta 0110#page3.tif							

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PATENT  
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ASSIGNMENT

WHEREAS, We, Bob A. Hardage, a citizen of United States of America and resident of Travis County, and the State of Texas, and James L. Simmons, Jr., a citizen of United States of America and resident of Travis County, and the State of Texas, have invented certain new and useful improvements in a "SYSTEM AND METHOD FOR ORIENTING SEISMIC ENERGY RECEIVERS TO YIELD DISCRIMINATED VERTICAL SHEAR WAVES" disclosed in an application for United States Letters Patent (Application No. \_\_\_\_\_, filed \_\_\_\_\_), said application having been executed concurrently herewith;

WHEREAS, Board of Regents for the University of Texas System, a corporation of the State of Texas, having offices at 201 West 7th Street, Austin, Texas 78701 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; we authorize Charles W. Gaines of Hitt Gaines & Boisbrun, P.C. to insert in the parenthesis above the application number and filing date of said application when known; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, we have hereunto set our hands and seal this 12 day of January, 2001.

Bob A. Hardage  
Bob A. Hardage

STATE OF Texas  
COUNTY OF Travis

§  
§  
§

On this 12th day of January, 2001, before me personally came Bob A. Hardage, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.

Lynda A Miller  
Notary Public

My Commission Expires:

8-28-01

James L. Simmons, Jr.  
James L. Simmons, Jr.

STATE OF Texas

§  
§  
§

COUNTY OF Travis

On this 12 day of January, 2001, before me personally came James L. Simmons, Jr., to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.

Gynda A Miller  
Notary Public

My Commission Expires:

8-28-01