

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Jonathan P. McKenna</td> <td>01/22/2013</td> </tr> <tr> <td>Nathan M. Toohey</td> <td>01/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	Jonathan P. McKenna	01/22/2013	Nathan M. Toohey	01/22/2013				
Name	Execution Date										
Jonathan P. McKenna	01/22/2013										
Nathan M. Toohey	01/22/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Microseismic, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>10777 Westheimer Road, Suite 500</td> </tr> <tr> <td>City:</td> <td>Houston</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>77042</td> </tr> </table>		Name:	Microseismic, Inc.	Street Address:	10777 Westheimer Road, Suite 500	City:	Houston	State/Country:	TEXAS	Postal Code:	77042
Name:	Microseismic, Inc.										
Street Address:	10777 Westheimer Road, Suite 500										
City:	Houston										
State/Country:	TEXAS										
Postal Code:	77042										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13747682</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13747682						
Property Type	Number										
Application Number:	13747682										
CORRESPONDENCE DATA											
Fax Number: 8322014829 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 713-539-5006 Email: faginr@xp-patents.com Correspondent Name: RICHARD A. FAGIN Address Line 1: P.O. BOX 1247 Address Line 4: RICHMOND, TEXAS 77406-1247											
ATTORNEY DOCKET NUMBER:	MSI-12-03										
NAME OF SUBMITTER:	Richard A. Fagin										
Total Attachments: 2 source=MSI-12-03-assignment-signed#page1.tif source=MSI-12-03-assignment-signed#page2.tif											

OP \$40.00 13747682

Assignment – Worldwide

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

Microseismic, Inc.

having the following address:

10777 Westheimer Road, Suite 500
Houston, TX 77042

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

METHOD FOR DETERMINING FRACTURE PLANE ORIENTATION USING PASSIVE SEISMIC SIGNALS

for which the undersigned has/have executed an application for patent in the United States of America on this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY;

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to RICHARD A. FAGIN the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

1/22/2013
Date

Signature: [Signature]
Print or Type Name: Jonathan P. McKenna

1/22/2013
Date

Signature: [Signature]
Print or Type Name: Nathan M. Toohy

Date

Signature: _____
Print or Type Name: _____

Date

Signature: _____
Print or Type Name: _____

Date

Signature: _____
Print or Type Name: _____

This Assignment must be signed before a Notary Public for one of the States in the United States or corresponding foreign official authorized to administer oaths.

NOTARY PUBLIC	State of TEXAS Commission Expires: _____ My commission expires: <u>June 28, 2016</u>	I, the undersigned, appeared: <u>Jonathan P. McKenna</u> <u>Nathan M. Toohy</u> I Inventor I Inventor	
		_____ I Inventor I Inventor	
		each of us, _____, acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.	
		Dated: <u>01/22/13</u> <u>[Signature]</u> <u>[Signature]</u> Notary Public My commission expires: <u>June 28, 2016</u>	

When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:

U.S. Application Serial No.:

Filing Date: