

FORM PTO-1595 (Modified)  
(Rev. 6-93)  
OMB No. 0651-0011 (exp 4/94)  
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11-10-1999



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SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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Tab settings

To the Honorable Commissioner of Patents and Trademarks and the attached original documents or copy thereof

## 1. Name of conveying party(ies):

Joe P. Buhler  
David Butt  
Jeffrey H. Goll  
Neldon C. Wagner  
Hartwell H. Whitney

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

## 2. Name and address of receiving party(ies):

Name: Metra Biosystems, Inc.

Internal Address:

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Street Address: 265 North Whisman Road

City: Mountainview State: CA ZIP: 94043

Execution Date: October 18, 1999

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

09/390,546

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Samuel J. Petuchowski

Internal Address: Bromberg &amp; Sunstein LLP

Street Address: 125 Summer Street

City: Boston

State: MA ZIP: 02110

## 6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41): \$ 40.00

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

## 8. Deposit account number:

19-4972

11/09/1999 DNGUYEN 00000187 09390546

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40.00

## 9. Statement and signature.

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.

Samuel J. Petuchowski

Name of Person Signing

Signature

November 3, 1999

Date

Total number of pages including cover sheet, attachments, and document:

11

ASSIGNMENT

ASSIGNORS: Joe P. Buhler  
David Butt  
Jeffrey H. Goll  
Neldon C. Wagner  
Hartwell H. Whitney

ASSIGNEE: Metra Biosystems, Inc.  
265 North Whisman Road  
Mountain View, California 94043-3911

STATE OF INCORPORATION OF ASSIGNEE: Oregon

INVENTION: APPARATUS AND METHOD FOR ACOUSTIC ANALYSIS OF BONE  
USING OPTIMIZED FUNCTIONS OF SPECTRAL AND TEMPORAL  
SIGNAL COMPONENTS

ATTORNEY DKT: 1537/113

APPLICATION NO: 09/390,546

FILED: September 3, 1999

Assignor is the sole inventor (if only one inventor is listed above) or a joint inventor (if more than one inventor is listed above) of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having the above title. If a filing date and application number are shown, the Application has a Patent and Trademark Office filing date and application number as indicated above.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon

any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or-in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set

forth below.

Date:

Oct. 18, 1999

Joe P. Buhler  
Joe P. Buhler, Assignor

STATE OF

)

) ss.

COUNTY OF

)

Before me, a notary public in and for said county and state, personally appeared Joe P. Buhler, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

(seal)

\_\_\_\_\_  
Notary Public

My commission expires:

Date:

\_\_\_\_\_

\_\_\_\_\_  
David Butt, Assignor

STATE OF

)

) ss.

COUNTY OF

)

Before me, a notary public in and for said county and state, personally appeared David Butt, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

(seal)

\_\_\_\_\_  
Notary Public

My commission expires:



Hartwell H. Whitney, Assignor

Before me, a notary public in and for said county and state, personally appeared Hartwell H. Whitney, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Notary Public  
My commission expires:

## ASSIGNMENT

ASSIGNORS: Joe P. Buhler  
David Butt  
Jeffrey H. Goll  
Neldon C. Wagner  
Hartwell H. Whitney

ASSIGNEE: Metra Biosystems, Inc.  
265 North Whisman Road  
Mountain View, California 94043-3911

STATE OF INCORPORATION OF ASSIGNEE: Oregon

INVENTION: APPARATUS AND METHOD FOR ACOUSTIC ANALYSIS OF BONE  
USING OPTIMIZED FUNCTIONS OF SPECTRAL AND TEMPORAL  
SIGNAL COMPONENTS

ATTORNEY DKT: 1537/113

APPLICATION NO: 09/390,546

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Assignor is the sole inventor (if only one inventor is listed above) or a joint inventor (if more than one inventor is listed above) of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having the above title. If a filing date and application number are shown, the Application has a Patent and Trademark Office filing date and application number as indicated above.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon

any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or-in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.



IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set

forth below.

Date: \_\_\_\_\_

\_\_\_\_\_  
Joe P. Buhler, Assignor

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

Before me, a notary public in and for said county and state, personally appeared Joe P. Buhler, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

(seal)

\_\_\_\_\_  
Notary Public  
My commission expires:

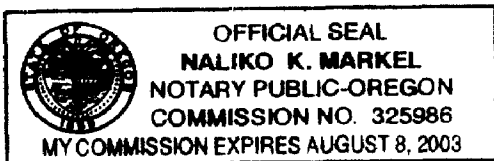
Date: 10/8/99

\_\_\_\_\_  
David Butt, Assignor

STATE OF Oregon )  
 ) ss.  
COUNTY OF Multnomah )

Before me, a notary public in and for said county and state, personally appeared David Butt, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

(seal)



\_\_\_\_\_  
Notary Public  
My commission expires: August 8, 2003

Date: 8 October, 1999

Jeffrey H. Goll  
Jeffrey H. Goll, Assignor

STATE OF Oregon )  
 ) ss.  
COUNTY OF Washington )

Before me, a notary public in and for said county and state, personally appeared Jeffrey H. Goll, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.



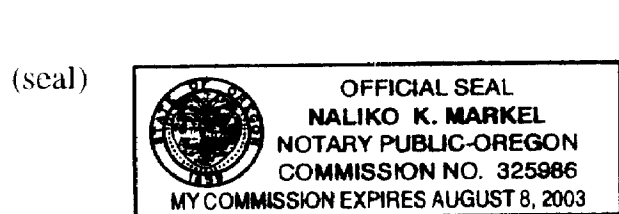
Suzanne M. Le Mante  
Notary Public  
My commission expires: May 4, 2001

Date: 8 OCT 1999

Neldon C. Wagner  
Neldon C. Wagner, Assignor

STATE OF Oregon )  
 ) ss.  
COUNTY OF Multnomah )

Before me, a notary public in and for said county and state, personally appeared Neldon C. Wagner, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.



Naliko K. Markel  
Notary Public  
My commission expires: August 8, 2003

Date: Oct 8, 1999

Hartwell H. Whitney  
Hartwell H. Whitney, Assignor

STATE OF Oregon )  
 ) ss.  
COUNTY OF Multnomah )

Before me, a notary public in and for said county and state, personally appeared Hartwell H. Whitney, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

(seal) 

Naliko K. Markel  
Notary Public  
My commission expires: August 8, 2003