

050005-000107.JMB.282998

Replaces USPTO Document ID 102753922 dated 5/28/2004

Form PTO-1595

(Rev. 08/03)

OMB No. 0651-0027 (exp. 5/31/2002)

RECORDATION FORM COVER SHEET
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Paul D. Panetta

Richard A. Pappas

Brian J. Tucker

2. Name and address of receiving party(ies)

Name Battelle Memorial Institute

Internal Address _____

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other: _____Execution Date: May 18, 2004Street Address 902 Battelle BoulevardCity Richland State WA Zip 99352Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

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

A. Patent Application No.(s) 10757,734

A. Patent No.(s) _____

Additional number(s) attached? ☐ Yes ☒ No

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

Name John M. BradshawInternal Address Woodard, Emhardt, Moriarty, McNett,
& Henry LLPStreet Address 111 Monument CircleSuite 3700City Indianapolis State IN ZIP 462046. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ _____

☐ Enclosed☐ Authorized to be charged to deposit accountFee previously paid on 5/27/04.

8. Deposit account number:

23-3030

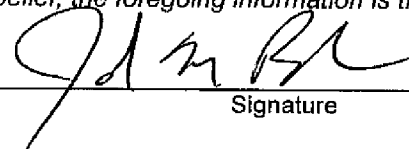
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.*John M. Bradshaw

Name of Person Signing



Signature

November 30, 2004

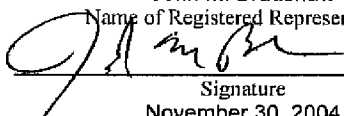
Date

Total number of pages including cover sheet, attachments, and document: 5

I hereby certify that this correspondence is being facsimile transmitted to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450 on November 30, 2004.

John M. Bradshaw

Name of Registered Representative



Signature

November 30, 2004

Date of Signature

PATENT

700134724

REEL: 015414 FRAME: 0413

050005-000107,IMB.278660

ASSIGNMENT

WHEREAS, Paul D. Panetta, Richard A. Pappas and Brian J. Tucker hereinafter referred to as Assignors, have made one or more new and useful inventions in PROCESS MONITORING AND PARTICLE CHARACTERIZATION WITH ULTRASONIC BACKSCATTERING for which Assignors have made or will make application for Letters Patent of the United States (hereinafter the "Application"); and

Whereas Battelle Memorial Institute, hereinafter referred to as Assignee, a corporation of Ohio, organized and existing under the laws of the State of Ohio, and having a place of business in the City of Richland, Washington, is desirous of acquiring an interest in the said invention and in any patent or patents to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other good, valuable and sufficient considerations to Assignors in hand paid, the receipt of which is hereby acknowledged, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto Assignee, all of the entire right, title, and interest in, to and under the one or more inventions disclosed, described and claimed or intended so to be in the Application, and any and all other applications thereon and arising therefrom, including any and all applications claiming the benefit thereof, and any and all divisions, continuations, and continuation-in-parts thereof, and any and all patents to be issued and obtained therefor and thereon, United States and foreign, including all reissues and extensions thereof. Assignors acknowledge that the Application was executed concurrently herewith unless a different execution date is indicated in item (a) below or item (b) is left blank. Assignors

hereby authorize the Assignee, its counsel, or its agents to fill-in some or all of the following list of information items (a) through (c) at the discretion of the Assignee, its counsel, or its agents:

(a) Execution Date of the Application: _____.

(b) Patent Office Number for the Application: 10/757,734

(c) Filing date of the Application: January 13, 2004

Assignors hereby authorize and request the Honorable Assistant Secretary and Commissioner of Patents and Trademarks to issue said Letters Patent to Assignee, its assigns and legal representatives.

Assignors agree to assign and execute any and all other papers necessary or desirable for the procurement of Letters Patent on said invention in this and all foreign countries for the use of Assignee.

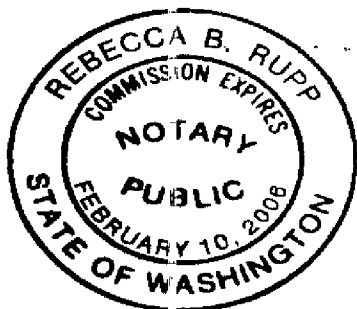
WITNESS Assignor's hand this 18 day of May, 2004.

Paul D. Panetta
Paul D. Panetta

STATE OF Washington)
COUNTY OF Benton) : SS

Before me, a Notary Public, in and for said County and State, personally appeared Paul D. Panetta, who, being first duly sworn upon his oath, acknowledged the execution of the foregoing "Assignment" as his voluntary act and deed.

WITNESS my hand and Notarial Seal this 18 day of May, 2004.



Rebecca B. Rupp
Notary Public
Printed: Rebecca B. Rupp
Resident of Benton County

My Commission Expires:

2/10/2006

WITNESS Assignor's hand this 18 day of May, 2004.

Richard A Pappas

Richard A. Pappas

STATE OF Washington

)

): SS

COUNTY OF Benton

)

Before me, a Notary Public, in and for said County and State, personally appeared Richard A. Pappas, who, being first duly sworn upon his oath, acknowledged the execution of the foregoing "Assignment" as his voluntary act and deed.

WITNESS my hand and Notarial Seal this 18 day of May, 2004.

Rebecca B Rupp

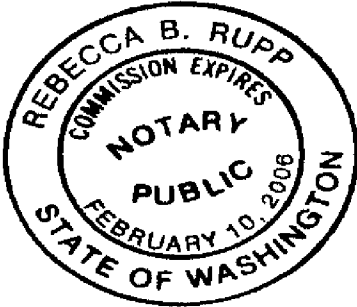
Notary Public

Printed: Rebecca B. Rupp

Resident of Benton County

My Commission Expires:

2/10/2006



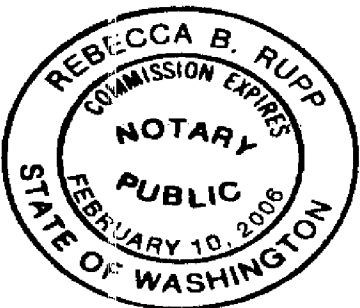
WITNESS Assignor's hand this 18 day of May, 2004.

Brian J. Tucker
Brian J. Tucker

STATE OF Washington)
COUNTY OF Benton) : SS

Before me, a Notary Public, in and for said County and State, personally appeared Brian J. Tucker, who, being first duly sworn upon his oath, acknowledged the execution of the foregoing "Assignment" as his voluntary act and deed.

WITNESS my hand and Notarial Seal this 18 day of May, 2004.



Rebecca B. Rupp
Notary Public
Printed: Rebecca B Rupp
Resident of Benton County

My Commission Expires:
2/10 / 2006