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PATENTS ONLY

01-28-1999



100951963

To the Honorable Commissioner of Patents and Trademarks: Please  
documents or copies thereof.

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

John P. Claassen

SANDIA CORPORATION  
Patent & Licensing, 11500  
Mail Stop - 0161  
P. O. Box 5800  
Albuquerque, State: NM ZIP:87185-0161

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

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other: Assignment & Confirmatory License

Execution Date: 12/17/98

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

4. Application number(s) or patent 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)

B. Patent No.(s)

09215,627

Filed: 12/17/98 Issued:

Additional numbers attached? Yes  No

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

Name: Timothy D. Stanley  
Sandia National Laboratories  
Internal Address: Patent & Licensing, 11500  
Mail Stop 0161  
Street Address: P. O. Box 5800

6. Total number of applications and patents  
involved: one (1)

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

Enclosed

Authorized to be charged to deposit account

8. Deposit Account number: 19-0131

City: Albuquerque State: NM ZIP: 87185-0161 (Attach duplicate copy of this page if paying by account)

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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.

Timothy D. Stanley

Signature

Date

1/9/99

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

### ASSIGNMENT

WHEREAS, **John P. Claassen**, of Albuquerque, New Mexico; has made an invention relating to **ROBUST AND INTELLIGENT BEARING ESTIMATION**, in the course of the work authorized by Contract DE-AC04-94AL85000 between SANDIA CORPORATION and the UNITED STATES DEPARTMENT OF ENERGY, said invention being disclosed and claimed in an application for United States patent, identified as DOE Docket No: S89753, duly executed by said inventor on **December 17, 1998** and

WHEREAS Inventor(s), in consideration of employment by Sandia Corporation, has(have) agreed, among other things, to assign to Sandia Corporation its successors and assigns all rights to inventions, discoveries, or improvements made or conceived in the course of their employment; and

WHEREAS, the Government of the United States, as represented by the U.S. Department of Energy has granted a waiver of Government rights in the above-identified invention to Sandia Corporation under Class Waiver W(C)93-012, effective October 1, 1993, and

THEREFORE, Inventor(s) hereby sells, assigns, and transfers unto Sandia Corporation their entire right, title, and interest in and to said invention and in and to all resulting patents, wherever they may be granted, as well as reissues or extensions of said patents.

Inventor(s) covenants with Sandia Corporation that, except for the rights, if any, of the Government, his/her interest in the rights and property herein conveyed is free and clear of any encumbrance and that they have full right to convey the same as herein expressed. They agree, at the request of Sandia corporation, to make, execute, and deliver to Sandia Corporation, the Government, or other party prosecuting patent applications on this invention, any and all papers, documents, affidavits, applications, statements or other instruments relating to said invention, take all rightful oaths and do all acts as may reasonably be required of them in or incident to the prosecution of any or all applications on said invention or in the adjustment or settlement of any interferences or other actions or proceedings that said applications or patents thereon may encounter or in which they may become involved.

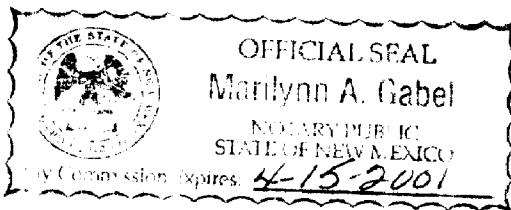
Signed at Albuquerque, New Mexico.

John P. Claassen  
John P. Claassen

Date: December 7, 1998

STATE OF NEW MEXICO )  
   ) ss  
COUNTY OF BERNALILLO )

On the the dates listed above, personally appeared before me, Marilyn A. Gabel, Notary Public, John P. Claassen, to me known to be the individual described in and who executed the foregoing instrument, and who acknowledged to me that he executed the same.



Marilyn A. Gabel  
Notary Public

Approved and consented to this 7 day of December, 1998.

SANDIA CORPORATION

Timothy D. Stanley  
Chief Patent Counsel  
Patent and Licensing Office, MS 0161