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37137-223529 6 Oct 2005

To the Honorable Commissioner of Patent

103219284

original documents or copy thereof.

1. Name of conveying party(ies):

Weiying ZHU
Changhong WANG

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

2. Name and address of receiving party(ies)

Name: Institute of Acoustics, Chinese Academy

of Sciences

Internal Address:

Street Address: No.21 West Road North Si Huan, Haidan District

City: Beijing

State/Country: China

Zip: 100080

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: September 2, 2005

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 by the first named inventor is: 09/02/2005

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

26694

PATENT TRADEMARK OFFICE

Name: VENABLE

Address: P.O. Box 34385

City: Washington

State: D.C.

Zip: 20043-9998

6. Total number of applications and patents involved: 1

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

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

22-0261

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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.

Manni Li Reg. No 57,400

Name of Person Signing

Signature

September 16, 2005

Date

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

Mail documents to be recorded with required cover sheet information to:

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Alexandria, VA 22313-1450

VENABLE
ATTORNEYS AT LAW

PC Docs No. 681943

PATENT
REEL: 017778 FRAME: 0442

ASSIGNMENT
OF APPLICATION FOR UNITED STATES LETTERS PATENT

Page 1 of 2

WHEREAS Weiqing Zhu and Changhong Wang of P. R. China, hereinafter referred to as the assignor, has invented a certain improvement relating to METHOD AND SYSTEM FOR MEASURING THE VELOCITY OF A VESSEL RELATIVE TO THE BOTTOM USING VELOCITY MEASURING CORRELATION SONAR, which said assignor has caused an application for United States Letters Patent to be prepared,

[X] the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office.

[] said application having been filed in the United States Patent and Trademark Office on _____, Serial Number _____

[X] said application having been filed under the Patent Cooperation Treaty on December 12, 2003, Serial No. PCT/CN2003/001060, the United States of America being designated.

AND WHEREAS INSTITUTE OF ACOUSTICS, CHINESE ACADEMY OF SCIENCES, having an address at No. 21 West Road North Si Huan, Haidian District, Beijing 100080, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefore, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any all divisions and continuations thereof, and the said invention and any all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 2nd day of September, 2005.

WITNESSES:

Signature: zhu Min
Name: _____
Address: _____

Signature: _____
Name: _____
Address: _____

ASSIGNOR:

Signature: Weiqing Zhu
Name: Weiqing ZHU

ASSIGNMENT
OF APPLICATION FOR UNITED STATES LETTERS PATENT

Page 2 of 2

Signature: Zhu Min
Name: _____
Address: _____

Signature: Changhong WANG
Name: Changhong WANG
Address: _____

Signature: _____
Name: _____
Address: _____

CUSTOMER NO.:

26694

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RECORDED: 09/16/2005

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