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10-16-2003



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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

102576054

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Guolin XU, Lin Kiat SAW, and Dor Ngi TING

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other:

Execution Date: September 3, 2003 and September 25, 2003

2. Name and address of receiving party(ies)

Name: Agency for Science, Technology and Research

Internal Address:

Street Address:

10 Science Park Road, #01/01-03 The Alpha

Singapore Science Park II

Singapore 117684

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: September 3, 2003 and September 25, 2003

A. Patent Application No.(s)

B. Patent No. (s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Greg S. Hollrigel

Internal Address:

Street Address:

Stout, Uxa, Buyan & Mullins, LLP

4 Venture, Suite 300

Irvine, CA 92618

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number: 13-5135

(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.*

Greg S. Hollrigel

Name of Person Signing

Greg S. Hollrigel  
Signature

10/1/03  
Date

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

10/15/2003 ECOOPER 00000208 135135 10676601

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40.00 BA

WHEN RECORDED, RETURN TO:

Greg S. Hollrigel, Ph.D.  
STOUT, UXA, BUYAN & MULLINS, LLP  
4 Venture, Suite 300  
Irvine, CA 92618

ASSIGNMENT

WHEREAS, WE, Guolin XU, Lin Kiat SAW and Dor Ngi TING, all residing in SINGAPORE, have invented certain new and useful improvements in:

MICRO-PUMP

for which the said Guolin XU has this 03 day of 09, 2003 executed application papers for United States Letters Patent thereon;

the said Lin Kiat SAW has this \_\_\_\_ day of \_\_\_\_\_, 2003 executed application papers for United States Letters Patent thereon; and

the said Dor Ngi TING has this 3 day of Sep, 2003 executed application papers for United States Letters Patent thereon;

WHEREAS, Agency for Science, Technology and Research, hereinafter called Assignee, having a place of business 10 Science Park Road, #01/01-03 The Alpha, Singapore Science Park II, Singapore 117684, is desirous of acquiring the entire and exclusive right, title and interest in and to the aforesaid invention and in and to any and all Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto;

NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for and in consideration of the sum of ONE SINGAPORE DOLLAR paid to us in hand paid by Assignee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, WE, Guolin XU, Lin Kiat SAW and Dor Ngi TING by these presents do hereby sell, assign and transfer unto Assignee, its successors and assigns, the full and exclusive right, title and interest in and to the said invention, and in and to any Letters Patent which may be granted and issued in the United States and throughout the world thereto (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to the said invention as described in said applications, and in and to all Letters Patent granted therefor, and all divisions, reissues and continuations thereof, and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all Letters Patent on said invention or resulting therefrom to said Assignee, as assignee of our entire right, title and interest, and we covenant that we have full right so to do and agree that we will communicate to said Assignee, or its successors any and all facts known to us regarding said invention whenever requested, and will testify in any legal proceeding, sign all lawful papers, execute all divisional, reissue and continuation applications, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain and enforce proper patent protection for said invention in all countries;

AND, WE HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue said United States Letters Patent to the said Assignee,

IN WITNESS WHEREOF, I have executed this instrument at 10 Science Park Road, #01/01-03 The Alpha,  
Singapore Science Park II, Singapore 117684,

this 03 day of 09, 2003.

Witness: \_\_\_\_\_  
(print name)

  
Guolin XU

IN WITNESS WHEREOF, I have executed this instrument at 10 Science Park Road, #01/01-03 The Alpha,  
Singapore Science Park II, Singapore 117684,

this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

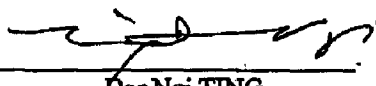
Witness: \_\_\_\_\_  
(print name)

Lin Kiat SAW

IN WITNESS WHEREOF, I have executed this instrument at 10 Science Park Road, #01/01-03 The Alpha,  
Singapore Science Park II, Singapore 117684,

this 3 day of Sep, 2003.

Witness: \_\_\_\_\_  
(print name)

  
Dor Ng TING

WHEN RECORDED, RETURN TO:

Greg S. Hollrigel, Ph.D.  
STOUT, UXA, BUYAN & MULLINS, LLP  
4 Venture, Suite 300  
Irvine, CA 92618

ASSIGNMENT

WHEREAS, WE, Guolin XU, Lin-Kiat SAW and Dor-Ngi TING, all residing in SINGAPORE, have invented certain new and useful improvements in:

**MICRO-PUMP**

for which the said Guolin XU has this \_\_\_\_\_ day of \_\_\_\_\_, 2003 executed application papers for United States Letters Patent thereon;

the said Lin-Kiat SAW has this 25<sup>th</sup> day of Sep, 2003 executed application papers for United States Letters Patent thereon; and

the said Dor-Ngi TING has this \_\_\_\_\_ day of \_\_\_\_\_, 2003 executed application papers for United States Letters Patent thereon;

WHEREAS, Agency for Science, Technology and Research, hereinafter called Assignee, having a place of business 10 Science Park Road, #01/01-03 The Alpha, Singapore Science Park II, Singapore 117684, is desirous of acquiring the entire and exclusive right, title and interest in and to the aforesaid invention and in and to any and all Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto;

NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for and in consideration of the sum of ONE SINGAPORE DOLLAR paid to us in hand paid by Assignee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, WE, Guolin XU, Lin-Kiat SAW and Dor-Ngi TING by these presents do hereby sell, assign and transfer unto Assignee, its successors and assigns, the full and exclusive right, title and interest in and to the said invention, and in and to any Letters Patent which may be granted and issued in the United States and throughout the world thereto (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to the said invention as described in said applications, and in and to all Letters Patent granted therefor, and all divisions, reissues and continuations thereof, and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all Letters Patent on said invention or resulting therefrom to said Assignee, as assignee of our entire right, title and interest, and we covenant that we have full right so to do and agree that we will communicate to said Assignee, or its successors any and all facts known to us regarding said invention whenever requested, and will testify in any legal proceeding, sign all lawful papers, execute all divisional, reissue and continuation applications, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain and enforce proper patent protection for said invention in all countries;

AND, WE HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue said United States Letters Patent to the said Assignee,


IN WITNESS WHEREOF, I have executed this instrument at 10 Science Park Road, #01/01-03 The Alpha, Singapore Science Park II, Singapore 117684.

this \_\_\_\_ day of \_\_\_\_\_, 2003.

Witness: \_\_\_\_\_  
(print name) Guolin XU

IN WITNESS WHEREOF, I have executed this instrument at 10 Science Park Road, #01/01-03 The Alpha, Singapore Science Park II, Singapore 117684.

this \_\_\_\_ day of \_\_\_\_\_, 2003.

Witness: Saw Lin Kiat   
(print name) Lin-Kiat SAW

IN WITNESS WHEREOF, I have executed this instrument at 10 Science Park Road, #01/01-03 The Alpha, Singapore Science Park II, Singapore 117684.

this \_\_\_\_ day of \_\_\_\_\_, 2003.

Witness: \_\_\_\_\_  
(print name) Dor-Ngi TING