

01-12-2005

U.S. DEPARTMENT OF COMMERCE  
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102918759

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Ya-Wen CHOU (12/27/2004) and Ming-Shan JENG (12/23/2004)

Execution Date(s): in parentheses after inventor name

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

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

2. Name and address of receiving party(ies)

Name: Industrial Technology Research Institute

Internal Address:

Street Address:

No. 195, Sec. 4, Chung-Hsing Rd., Chu-Tung

City: Hsinchu

State:

Country: Taiwan ROC Zip:

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

4. Application or patent number(s):

A. Patent Application No.(s)  
NEW

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Joe McKinney Muncy  
BIRCH, STEWART, KOLASCH & BIRCH,  
LLP

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6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers  
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9. Signature:

*Joe McKinney Muncy*

Signature

December 29, 2004

Date

Joe McKinney Muncy - 32,334

Name of Person Signing

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

3

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ATTORNEY DOCKET NO.  
3313-1226PUS1

## BIRCH, STEWART, KOLASCH &amp; BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR  
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

## ASSIGNMENT

Application No. NEWFiled 12/29/2004Insert Name(s)  
of Inventor(s)

\*\*\* (Given Name FAMILY NAME (ALL CAPS)) \*\*\*

WHEREAS, Ya-Wen CHOUMing-Shan JENG

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in

Insert Title  
of InventionRADIAL HIGH ENERGY ACOUSTIC DEVICE AND THE APPLIED THERMOACOUTIC DEVICE

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

Insert Date  
of Signing of  
Applicationon December 23, 2004; December 27, 2004; andInsert Name  
of AssigneeWHEREAS, INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTEInsert Address  
of Assigneeof No. 195, Sec. 4, Chung-Hsing Rd., Chu-Tung, Hsinchu, Taiwan, R. O. C.

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

CHECK BOX  
IF APPROPRIATE☐ in any foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

Attorney Docket No.

3313-1226PUS1

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof for Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent or a grant of a valid United States of America and any foreign patents to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and Sale had been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all other Patents resulting from this application or any continuing, divisional, conversion or reissue applications thereof to the said Assignee as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, L.L.P. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recording of this document.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 12/29/2004Name of Inventor Chen Jindun(signature) Ya-Wen CHOUDate 12/23/2004Name of Inventor Ming-Shan JENG(signature) Ming-Shan JENG

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

(signature) \_\_\_\_\_

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

(signature) \_\_\_\_\_

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

(signature) \_\_\_\_\_

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

(signature) \_\_\_\_\_