

01-13-1999



100944023

Attorney Docket No.: P63096US0

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

<p>1. Name of conveying party(ies):</p> <p><i>HLA</i> <i>1/8/99</i></p> <p>Jong-Yun Lim Jong-Duck Moon</p> <p>Additional name(s) of conveying party(ies) attached?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p><u>INSTITUTE FOR ADVANCED ENGINEERING</u></p> <p>Internal Address: _____</p> <p>Street Address: <u>526, 5-Ga, Namdaemoon-Ro, Jung-Ku</u></p> <p>City: <u>Seoul</u> State: <u>Korea</u> ZIP: _____</p> <p>Add'l name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
---	---

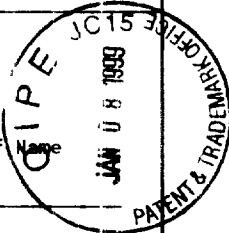
3. Nature of conveyance:

Assignment       Merger

Security Agreement       Change of Name

Other \_\_\_\_\_

Execution Dates: September 17, 1998



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)  
09/165,338, filed October 2, 1998

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Yoon S. Ham, Esq.

Internal Address: \_\_\_\_\_

Street Address: Jacobson, Price, Holman & Stern, PLLC  
400 Seventh Street, N.W.

City: Washington State: DC Zip: 20004

6. Total number of applications and patents involved: ..... 1

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

Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number: 06-1358  
(Atty.Dkt.No. 11731-P63096US0)

01/13/1999 DMGUYEN 00000095 09165338

01 FC:581 40.00 DP 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.

Yoon S. Ham (Limited Recognition) 01/08/99  
Name of Person Signing Date Signature

Total number of pages including cover sheet, attachments and document: 2

Atty. Dkt. No. P03096US0

UNITED STATES OF AMERICA—ASSIGNMENT

- 1) Insert Names of inventors
- 2) Insert Name of assignee
- 3) Insert Address of Assignee
- 4) Insert Legal Entity and State or Country, e.g., a corporation or citizen of Japan
- 5) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number
- 6) Insert Date of Signing of Application, or iling date and Serial No., if known

(1) Jong-Yun LIM  
 (2) Jong-Duck MOON  
 (3)  
 (4)  
 (5)  
 (6) in consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned agree(s) to assign, transfer and set over to  
 (7) INSTITUTE FOR ADVANCED ENGINEERING  
 (8) of 526, 5-Ga, Nandaemooon-ro, Jung-Ku, Seoul, Korea  
 (9) a Corporation of the Republic of Korea  
 (hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention known as  
 (10) MULTIPHASE MIXING APPARATUS USING ACOUSTIC RESONANCE  
 for which the undersigned has (have) executed an application for patent in the United States of America  
 (11) Said application having been ~~examined~~ filed on October 2, 1998 and assigned Serial No. 09/165,338.

1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications hereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.  
 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.  
 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with status or provisions of the International Union for Protection of Industrial Property or similar agreements.  
 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent in the Assignee.  
 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) never not executed, and will not execute, any agreement in conflict herewith.  
 6) The undersigned hereby grant(s) the law firm of Jacobson, Price, Holman & Stern, PLLC, 400 Seventh Street, N.W., Washington, D.C. 20004 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 United States Patent and Trademark Office for recording of this document.

In witness whereof executed by the undersigned on the date(s) opposite the undersigned name(s).  
 Date SEP 17 1998 Name of inventor Jong-Yun LIM Lim Jongyun SEAL  
 typed name signature  
 Date Sep. 17, 1998 Name of inventor Jong-Duck MOON Moore SEAL  
 typed name signature  
 Date \_\_\_\_\_ Name of inventor \_\_\_\_\_ typed name signature SEAL  
 Date \_\_\_\_\_ Name of inventor \_\_\_\_\_ typed name signature SEAL  
 Date \_\_\_\_\_ Name of inventor \_\_\_\_\_ typed name signature SEAL  
 Date \_\_\_\_\_ Name of inventor \_\_\_\_\_ typed name signature SEAL

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed; if not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:  
 \_\_\_\_\_ Witness \_\_\_\_\_  
 \_\_\_\_\_ Witness \_\_\_\_\_

LAW OFFICES OF  
**JACOBSON, PRICE, HOLMAN & STERN**  
 PROFESSIONAL LIMITED LIABILITY COMPANY  
 THE JENIFER BUILDING  
 400 SEVENTH STREET, N.W.  
 WASHINGTON, D.C. 20004