

PATENT



102459225

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

1. Name of conveying party(ies):

Yu-Chong Tai
Qing He

S-27-03

Additional names(s) of conveying party(ies) Yes No

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

Name: California Institute of Technology

Internal Address: _____

Street Address: 1200 East California Boulevard

City: Pasadena State: CA ZIP: 91125

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: April 21, 2003, April 8, 2003

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

10/391,122

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Daniel L. Dawes

Internal Address: Myers Dawes Andras & Sherman LLP

5/28/2003 ECDOPER 00000145 10391122

01 FC:0021 40.00 DP

Street Address: 19900 MacArthur Boulevard

Suite 1150

City: Irvine State: CA ZIP: 92612

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

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

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

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8. Deposit account number:

01-1960

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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.

Daniel L. Dawes

Name of Person Signing

Signature

May 23, 2003

Date

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

ASSIGNMENT

CIT Case No. 3619

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

Yu-Chong Tai

hereby sells, assigns and transfers to ASSIGNEE, California Institute of Technology, having its statewide administrative offices located at 1200 East California Boulevard, Pasadena, California 91125, and the successors, assigns and legal representatives of the ASSIGNEE, all of its rights, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

A Method for Integrating Micro- and Nanoparticles into MEMS and Apparatus Including the Same

and which is found in

- (a) ___ U.S. provisional application filed herewith and listing the above named persons as inventors
- (b) ___ U.S. patent application filed herewith and listing the above named persons as inventors
- (c) X U.S. application serial no. 10/391,122, filed on 03/18/2003
- (d) ___ U.S. Patent No.: _____, issued _____

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

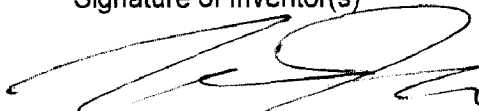
ASSIGNOR(S) further covenants that the ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, California Institute of Technology.

executed this

21 day of April, 2003

Signature of Inventor(s)



Yu-Chong Tai

ASSIGNMENT

CIT Case No. 3619

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Qing He

hereby sells, assigns and transfers to ASSIGNEE, California Institute of Technology, having its statewide administrative offices located at 1200 East California Boulevard, Pasadena, California 91125, and the successors, assigns and legal representatives of the ASSIGNEE, all of its rights, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

A Method for Integrating Micro- and Nanoparticles into MEMS and Apparatus Including the Same

and which is found in

- (a) ___ U.S. provisional application filed herewith and listing the above named persons as inventors
 (b) ___ U.S. patent application filed herewith and listing the above named persons as inventors
 (c) X U.S. application serial no. 10/391,122, filed on 03/18/2003
 (d) ___ U.S. Patent No.: _____, issued _____

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenants that the ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, California Institute of Technology.

executed this

Signature of Inventor(s)

8th day of April, 2003



 Qing He