

09-30-1999

Attorney Docket No. 018564-000920  
CIT-2832FORM PTO-1595  
(Rev. 6-93)

101158493

at U.S. Department of Commerce  
Patent and Trademark Office

To the Honorable Asst. Commissioner for Patents

Original documents or copy thereof

## 1. Name of conveying party(ies):

Nathan S. Lewis  
Brett J. Doleman  
Shawn Briglin  
Erik J. SeverinAdditional name(s) of conveying parties attached? ☐ Yes  
☒ No.

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

Name: California Institute of Technology

Internal Address:

Street Address: Mail Code 201-85  
1200 E. California Blvd.

City: Pasadena State: CA ZIP: 91125

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

Execution Date: August 10, 1999, July 23, 1999, July 28, 1999,  
and July 30, 1999Additional names and addresses attached? ☐ Yes ☒ No

## 4. Application Number(s) or Patent Numbers.

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

A. Patent Application No(s): 09/328,871

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: Joseph R. Snyder, Esq.  
TOWNSEND AND TOWNSEND AND CREW LLP  
Two Embarcadero Center, 8<sup>th</sup> Floor  
San Francisco, California 94111-3834  
(415) 576-0200

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

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

☐ Enclosed ☒ Charge Fees to Deposit Account☒ Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

8. Deposit account number: 20-1430

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## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.*Joseph R. Snyder, Esq.  
Name of Person Signing

Signature

Date

Atty Reg. No. 39,381

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

10. Change Correspondence Address to that of Part 5? ☐ Yes ☒ No

OMB No. 0651-0011 (exp. 4/94)

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SF 1029648 v1

PATENT  
REEL: 010267 FRAME: 0331

## ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Nathan S. Lewis, of 5259 Gould Avenue, La Canada, CA 91011, Brett J. Doleman, of 4 Bayside Village Place, #106, San Francisco, CA 94107, Shawn Briglin, of 370 S. Catalina Avenue, #102, Pasadena, CA 91106, Erik J. Severin, of 1440 Orlando Avenue, San Marino, CA 91108, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: COLLOIDAL PARTICLES USED IN SENSING  
ARRAYS

Date(s) of execution of Declaration: August 10, 1999, July 23, 1999,  
July 28, 1999, and July 30, 1999

Filing Date: June 8, 1999

Application No.: 09/328,871; and

WHEREAS, California Institute of Technology, located at 1200 East California Boulevard, MS 201-85, Pasadena, CA, 91125, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: August 10, 1999

  
\_\_\_\_\_  
Nathan S. Lewis

Dated: \_\_\_\_\_

\_\_\_\_\_  
Brett J. Doleman

Dated: \_\_\_\_\_

\_\_\_\_\_  
Shawn Briglin

Dated: \_\_\_\_\_

\_\_\_\_\_  
Erik J. Severin

SF 1011932 v1

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: \_\_\_\_\_

\_\_\_\_\_  
Nathan S. Lewis

Dated: July 23/99

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Brett J. Doleman

Dated: \_\_\_\_\_

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Shawn Briglin

Dated: \_\_\_\_\_

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Erik J. Severin

SF 1011932 v1

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: \_\_\_\_\_

\_\_\_\_\_  
Nathan S. Lewis

Dated: \_\_\_\_\_

\_\_\_\_\_  
Brett J. Doleman

Dated: 7/28/99

  
Shawn Briglin

Dated: \_\_\_\_\_

\_\_\_\_\_  
Erik J. Severin

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: \_\_\_\_\_

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Nathan S. Lewis

Dated: \_\_\_\_\_

\_\_\_\_\_  
Brett J. Doleman

Dated: \_\_\_\_\_

\_\_\_\_\_  
Shawn Briglin

Dated: 7/30/99

*Erik Severin*

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Erik J. Severin

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