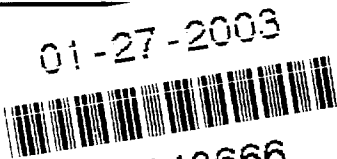


FORM PTO-1595 (Modified)  
(Rev. 03-01)  
OMB No. 0651-0027 (exp. 5/31/2002)  
P08/REV03



SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Y

Tab settings

To the Honorable Commissioner of

102348666

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Abhijit Biswas  
Babak Sanii  
Malcolm W. Wright  
Norman Page

1.22.03

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: 11/19/02, 11/20/02, 11/19/02, 11/20/02

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)

10/299,121

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 LLP

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
- Authorized to be charged to deposit account

8. Deposit account number:

01-1960

(Attach duplicate copy of this page if paying by deposit account)

01/24/2003 DBYRNE 00000223 10299121

DO NOT USE THIS SPACE

9. Statement and signature. 40.00 OP  
01 FL:0021

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

Jan. 16, 2003

Name of Person Signing

Signature

5

Date

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

CIT.PAU.20

**ASSIGNMENT**

CIT Case No. 3333

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

Abhijit Biswas

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:

**Method and Apparatus for a Multibeam Beacon Laser Assembly for Optical Communications**

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. 10/299,121, filed on 11/19/02
- (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;

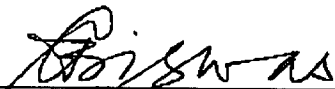
ASSIGNOR(S) further covenants that the ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, 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)

19<sup>th</sup> day of November, 2002

  
Abhijit Biswas

CIT.PAU.20

**ASSIGNMENT**

CIT Case No. 3333

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*Babak Sani*

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executed this

Signature of Inventor(s)

20 day of November, 2002

  
\_\_\_\_\_  
BABAK SANI

CIT.PAU.20

**ASSIGNMENT**

CIT Case No. 3333

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

Malcolm W. Wright

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executed this

Signature of Inventor(s)

19<sup>th</sup> day of November, 2002

  
\_\_\_\_\_  
Malcolm W. Wright

Received Time Nov.19. 3:20PM

**PATENT**  
**REEL: 013683 FRAME: 0453**

**ASSIGNMENT**

CIT Case No. 3333

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

Norman Page

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executed this

Signature of Inventor(s)

20 day of November, 2002

Norman A. Page  
Norman Page