



To the Honorable Commissioner of Patents and Trademarks, 102667899, attached original documents or copy thereof.

1. Name of conveying party(ies): 2.9-04  
Akshaya KUMAR, Fang Yu-YUEH, Shane C. BURGESS and  
Jagdish P. SINGH

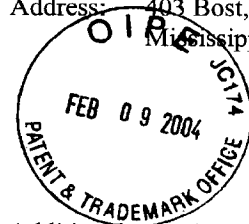
2. Name and address of receiving party(ies):

Name: Mississippi State University

Address: 403 Bost, Extension Drive  
Mississippi State, MS 37962Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

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

Execution Date: 1/27/04, 1/20/04, 1/7/04 and  
1/20/04, respectivelyAdditional name(s) and address(es) attached? ☐ Yes ☒ No

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)  
10/662,347

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence  
concerning document should be mailed:Supervisor, Patent Prosecution Services  
PIPER RUDNICK LLP  
1200 Nineteenth Street, N.W.  
Washington, D.C. 20036-2412  
Telephone No. (202) 861-3900  
Facsimile No. (202) 223-2085

6. Total applications and patents involved: 1

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

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number: 50-1442

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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.*

Patrick R. Delaney

Name of Person Signing

Signature

2/9/04

Date

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**Assignment of Application**

WHEREAS, I (we),

Akshaya KUMAR, 17 Bulldog Circle, Starkville, MS 39759;Fang YU-YUEH, 601 Shadowood Lane, Starkville, MS 39759;Shane C. BURGESS, 1490 Bell Oaks Drive, Starkville, MS 39759; andJagdish P. SINGH, 202 Setter Lane, Starkville, MS 39759.

, respectively,

have invented certain new and useful improvements in: Fiber Optic Laser-Induced  
Breakdown Spectroscopy Device and Methods of Usefor which an application for Letters Patent was executed on even date herewith(Application No. 10/662,347, Filed September 16, 2003); andWHEREAS, MISSISSIPPI STATE UNIVERSITY(hereinafter referred to as "ASSIGNEE"), having a place of business at:  
403 Bost, Extension DriveMississippi State, MS 39762

is desirous of acquiring the full and exclusive right in and to said Invention and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, I (we), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right in and to said Invention in the United States and its territorial possessions and in any and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, continuations, substitutions, renewals and reissues thereof.

I (we) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE and said ASSIGNEE's successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (we) agree that I (we) will communicate to said ASSIGNEE or said ASSIGNEE's representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally, do everything possible to aid said ASSIGNEE, and said ASSIGNEE's successors and assigns, to obtain and enforce proper protection for said Invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Piper Rudnick LLP, Attorneys at Law, 1200 Nineteenth Street, N.W., Washington, D.C. 20036-2412, the power to insert on this Assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 1-27-04

Akshaya Kumar  
(Signature of Inventor) Akshaya KUMAR

Date: 1-20-04

Fang YU-YUEH  
(Signature of Inventor) Fang YU-YUEH

Date: 1-7-04

Shane C. BURGESS  
(Signature of Inventor) Shane C. BURGESS

Date: 1-20-04

Jagdish P. SINGH  
(Signature of Inventor) Jagdish P. SINGH

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

**PIPER RUDNICK LLP**  
**1200 NINETEENTH STREET, N.W.**  
**WASHINGTON, D.C. 20036-2412**