

Form PTO-1595 (Rev. 06/04)
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Dr. Reinhard Bruch
Jutta Gietl

Execution Date(s) 08-05-2004; 08-04-2004

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Applied Photonics Worldwide, Inc.

Internal Address: Attn: Ms. Jutta Gietl

Street Address: 3708 Lakeside Drive, Suite 100

City: Reno

State: Nevada

Country: USA

Zip: 89509

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other

4. Application or patent number(s):

A. Patent Application No.(s)
10/809,328

This document is being filed together with a new application.
B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Carl A. Kukkonen, III

Internal Address: _____

Street Address: 33841 Mercator Isle

City: Dana Point

State: CA

Zip: 92629

Phone Number: 928-569-8979

Fax Number: 928-569-8979

Email Address: carl@kukkonen.net

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 4004
Expiration Date 04/2007

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Carl A. Kukkonen, III

Signature

8-6-2004

Date

Carl A. Kukkonen, III

Name of Person Signing

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

2

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

OP \$40.00 10809328

ASSIGNMENT

WHEREAS, Reinhard Bruch of Reno, Nevada and Jutta Gietl of Reno, Nevada, Assignors, have invented a new and useful Mobile Terawatt Femtosecond Laser System (MTFLS) for Long Range Spectral Sensing and Identification of Bioaerosols and Chemical Agents in the Atmosphere for which United States Patent Application Serial No. 10/809,932 was filed on March 26, 2004; and

WHEREAS, Assignors believe themselves to be the original and joint inventors of the invention disclosed and claimed in the application for Letters Patent; and

WHEREAS, Applied Photonics Worldwide Inc., having a place of business at 3708 Lakeside Drive, Suite 100, Reno, Nevada 89509, Assignee, desires to acquire by formal, recordable assignment the entire right, title and interest in and to the invention, the application, and any Letters Patent that might be granted for the invention in the United States and throughout the world;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby sell, assign and transfer to Assignee, the entire right, title and interest in and to the invention, the application, and any Letters Patent that might be granted for the invention in the United States and throughout the world, including the right to file foreign applications directly in the name of Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

Further, Assignors agree that, upon request and without further compensation, but at no expense to Assignor, they and their legal representatives and assigns will perform all lawful acts, including the execution of papers and the giving of testimony, that might be necessary or desirable for obtaining, sustaining, reissuing or enforcing Letters Patent in the United States and throughout the world for the invention, and for perfecting, recording or maintaining the title of Assignee, its successors and assigns, to the invention, the application, and any Letters Patent granted for the invention in the United States and throughout the world.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted by this Assignment.

FROM :

FAX NO. :

Aug. 04 2004 08:49AM P3

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for the invention, whether on the application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in the invention.

IN WITNESS WHEREOF, Assignors have executed this Assignment.

Assignor,

Date: 08/05/04

Reinhard Bruch



Assignor,

Date: 08/4/04

Jutta Gietl

