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FORM PTO-1595  
(Rev. 6-93)

12/23/03



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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks

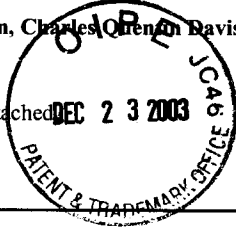
original documents or copy thereof.

1. Name of conveying party(ies)

Sudeep M. Kumar, Josephus Marinus Otten, Charles Orenth Davis and Hans Biebuyck

Additional name(s) of conveying party(ies) attached

Yes  No



2. Name and address of receiving party(ies)

Name: IGEN International, Inc.

Internal Address:

Street Address: 16020 Industrial Drive

City: Gaithersburg State: MD Zip: 20877

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

3. Nature of conveyance:

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

Execution Dates: November 19, 2003

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) 10/600,164

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Barry Evans, Esq.

Internal Address: Kramer Levin Naftalis & Frankel LLP

Street Address: 919 Third Avenue

City: New York State: New York Zip: 10022

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

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

Enclosed Check No. 8409

Authorized to be charged to deposit account # 50-0540

8. Deposit account number: 50-0540

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

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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.

Barry Evans, Esq.

Name of Person Signing

Signature

December 19, 2003

Date

Total number of pages including cover sheet, attachments, and document: 4

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Mail documents to be recorded with required cover sheet information to:

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12/30/2003 ECOOPER 00000265 10600164

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ASSIGNMENT

WHEREAS we, *Sudeep M. Kumar*, residing at 204 Lee Street, #107, Gaithersburg, MD 20877, a citizen of India, *Josephus Marinus Otten*, residing at 20011 Mattingly Terrace, Gaithersburg, MD 20879, a citizen of The Netherlands, *Charles Quentin Davis*, residing at 3621 Byron Circle, Frederick, MD 21704, a citizen of the United States of America and *Hans Biebuyck*, residing at 1 Sterling Court, Rockville, MD 20850, a citizen of the United States of America, respectively, hereinafter called ASSIGNORS, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent in the United States of America entitled: ELECTROCHEMILUMINESCENCE FLOW CELL AND FLOW CELL COMPONENTS, which application was executed by us and IGEN INTERNATIONAL, INC., having an office and principal place of business at 16020 Industrial Drive, Gaithersburg, MD 20877, and which, together with its successors and assigns is hereinafter called "ASSIGNEE", is desirous of acquiring the title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof heretofore acquired by Assignee.

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the empowered officials of all governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

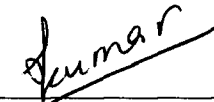
5. Bind our heirs and legal representatives, as well as ourselves to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us or our heirs or representatives if this assignment had not been made; and particularly to execute and deliver

Kramer Levin Naftalis & Frankel LLP  
Atty. Docket No.: 100390-06430  
U.S. Patent Application Serial No. 10/600,165  
Filing Date: June 19, 2003

to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is the 19<sup>th</sup> day of November, 2003.

In testimony of which we have affixed our signatures.

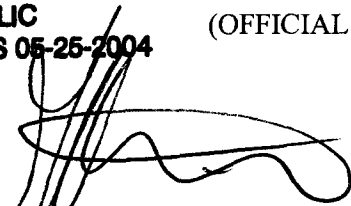
  
\_\_\_\_\_  
Sudeep M. Kumar

State of Maryland )  
  ) ss.:  
County of Montgomery )

On this 19<sup>th</sup> day of Nov., 2003 before me appeared Sudeep M. Kumar, and known to me to be the person described in and who executed the foregoing instrument and he acknowledged the same to be his free act and deed.

  
\_\_\_\_\_  
Notary Public

**TANYA V. SELL  
NOTARY PUBLIC  
COMMISSION EXPIRES 05-25-2004** (OFFICIAL SEAL)


  
\_\_\_\_\_  
Josephus Marinus Otten

State of Maryland )  
  ) ss.:  
County of Montgomery )

On this 19<sup>th</sup> day of Nov., 2003 before me appeared Josephus Marinus Otten, and known to me to be the person described in and who executed the foregoing instrument and he acknowledged the same to be his free act and deed.

  
\_\_\_\_\_  
Notary Public

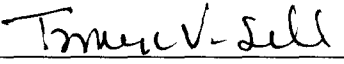
**TANYA V. SELL  
NOTARY PUBLIC  
COMMISSION EXPIRES 05-25-2004** (OFFICIAL SEAL)

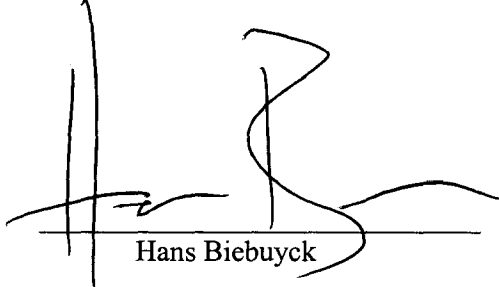
  
 Charles Quentin Davis

State of Maryland )  
 ) ss.:  
 County of Montgomery)

On this 19<sup>th</sup> day of Nov., 2003 before me  
 appeared Charles Quentin Davis, and known to me to be  
 the person described in and who executed the foregoing instrument  
 and he acknowledged the same to be his free act and deed.

**TANYA V. SELL**  
**NOTARY PUBLIC**  
**COMMISSION EXPIRES 05-25-2004 (OFFICIAL SEAL)**


  
 Notary Public

  
 Hans Biebuyck

State of Maryland )  
 ) ss.:  
 County of Montgomery)

On this 19<sup>th</sup> day of Nov., 2003 before me  
 appeared Hans Biebuyck, and known to me to be  
 the person described in and who executed the foregoing instrument  
 and he acknowledged the same to be his free act and deed.

**TANYA V. SELL**  
**NOTARY PUBLIC**  
**COMMISSION EXPIRES 05-25-2004 (OFFICIAL SEAL)**

  
 Notary Public