

PUAS-0004

10-01-2001

OVER SHEET

LY

To The Honorable Commissi



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cord the attached original documents or copy thereof.

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

Stephen R. Forrest

August 28, 2001

First Assignor

Date of Execution

Milind R. Gokhale

September 20, 2001

Second Assignor

Date of Execution

Pavel V. Studenkov

September 20, 2001

Third Assignor

Date of Execution

9-27-01

Additional name(s) of conveying party(ies) attached? ( ) YES (X) NO

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

Name: The Trustees of Princeton University

Street Address: P.O. Box 36, 5 New South Building

City: Princeton

State New Jersey

ZIP 08544

Additional name(s) &amp; address attached? ( ) YES ( ) NO

## 3. Nature of Conveyance (check only one):

(X) New Assignment

( ) Merger

( ) License Agreement

( ) Security Agreement

( ) Change of Name

( ) Other:

( ) Cross-reference of Assignment filed in United States

Application No. recorded on

at Reel

No. and Frame No.

## 4. Identification of Application number(s), patent number(s) OR date of execution of application to which assignment refers:

Application Nos.:

Patent Nos.:

Date application was signed by the first  
named executing inventor

09/717,851

(Fill-in this date only if assignment is  
filed together with a new application)5. Name and address of party to whom correspondence  
concerning documents should be mailed:

Name: John E. McGlynn

WOODCOCK WASHBURN KURTZ MACKIEWICZ &amp; NORRIS LLP

One Liberty Place - 46th Floor

Philadelphia, Pennsylvania 19103-7301

215-568-3100

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

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

(X) Enclosed

( ) Authorized to be charged to Deposit Account  
Number 23-30508. Please charge any deficiency or credit any  
overpayment to Deposit Account Number 23-3050

DO NOT USE THIS SPACE

## 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.*

John E. McGlynn/42,863

September 25, 2001

Name of Person Signing/Reg. No.

Signature

Date

Total number of pages including cover sheet, assignment document and additional pages attached thereto: 6

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

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

**(Provisional Application;  
Serial No. Known)****ASSIGNMENT**

WHEREAS, we **Stephen R. Forrest, Milind R. Gokhale and Pavel V. Studenkov**, hereinafter referred to as the assignors, residing respectively at **148 Hunt Drive, Princeton, NJ 08540; 263 South Harrison Street, #2, Princeton, NJ 08540; and 6208 Shadow Oaks Court, Monmouth Junction, NJ 08852** are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Serial No. **09/717,851**, filed **November 21, 2000**, entitled **PHOTONIC INTEGRATED DETECTOR HAVING A PLURALITY OF ASYMMETRIC WAVEGUIDES**; and

WHEREAS, **The Trustees of Princeton University** hereinafter referred to as the assignee, of **P.O. Box 36, 5 New South Building, Princeton, New Jersey 08544**, a corporation of **New Jersey**, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign

applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

8/18/01  
Date

Stephen R. Forrest (L.S.)  
Stephen R. Forrest

## STATEMENT OF WITNESS

SIGNED at Hamden USA  
(City) (Country)

This 18 day of August, 2001.

I, Vincent R. Horton whose full  
print name of witness  
residence address is 120 Franklin Street, 01846 Lawrenceville  
print address of witness  
MA 01846

was personally present and did see Stephen R. Forrest execute the above assignment on  
the 18 day of August, 2001, and such assignor is personally known to me to  
be the person described in such document.

Vincent R. Horton  
Signature of Witness

Date

9/20/01Milind R. Gokhale

(L.S.)

## STATEMENT OF WITNESS

SIGNED at

Princeton, NJ  
(City)USA  
(Country)This 20th day of September, 2001.

I,

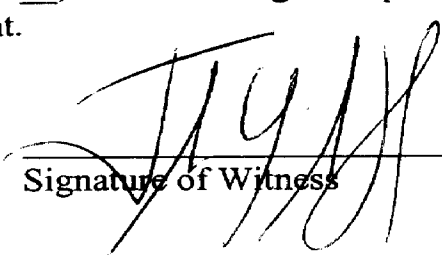
John Ueng-McHale  
print name of witness

whose full

residence address is

15 Livingston Ave., Lyndhurst, NJ 07639  
print address of witness

was personally present and did see Milind R. Gokhale execute the above assignment on the 20th day of September, 2001, and such assignor is personally known to me to be the person described in such document.

  
Signature of Witness

9/20/01  
Date

Nabeen B. Anydennal (L.S.)  
**Pavel V. Studenkov**

## STATEMENT OF WITNESS

SIGNED at Princeton, NJ USA  
(City) (Country)

This 20th day of September, 2001.

I, John Ueng McHale whose full  
print name of witness  
residence address is 15 Livingston Ave., Lyndhurst, NJ 07037  
print address of witness

was personally present and did see **Pavel V. Studenkov** execute the above assignment on the 20th day of September, 2001, and such assignor is personally known to me to be the person described in such document.

  
Signature of Witness