05-06-2003 FORM PTO-1595 (Modified) U.S. DEPARTMENT OF COMMERCE (Rev. 03-01) Patent and Trademark Office OMB No. 0651-0027 (exp.5/31/2002) 5-5-03 P08/REV03 102440270 Tab settings → → To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): **Thomas Andrew Strasser** Per Bang Hansen Name Photuris, Inc. Neil Allan Jackman **Andrew John Stentz** Internal Address: Jefferson L. Wagener Additional names(s) of conveying party(ies) ☐ Yes 🛛 No 3. Nature of conveyance: Assignment Street Address: 20 Corporate Place South ☐ Merger ☐ Security Agreement Change of Name ☐ Other 4/9/02 Wagener; 4/11/02 Stentz City: Piscataway State: NJ ZIP: 08854 Execution Date: 4/10/02 Strasser, Hansen, Jackman X No 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) B. Patent No.(s) 10/099,891 Filed 03/15/02 ☐ No Additional numbers attached? X Yes 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Stuart H. Mayer 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal Address: Mayer Fortkort & Williams, PC Enclosed - Any excess or insufficiency should be credited or debited to deposit account Authorized to be charged to deposit account 8. Deposit account number: Street Address: 251 North Avenue West, 2nd Floor 50-1047 (Attach duplicate copy of this page if paying by deposit account) ZIP: 07090 City: Westfield State: NJ DO NOT USE THIS SPACE 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. 4/29/03 Stuart H. Mayer Reg. No. 35,277 Date Name of Person Signing Signature Total number of pages including cover sheet, attachments, and document:

ket No.: PH01-00-04B

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FORM PTO-1595 (Modified) (Rev. 03-01) OMB No. 0651-0027 (exp.5/31/2002) P08/REV03	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
Tab settings → → ▼	<b>▼</b>
	Please record the attached original documents or copy thereof.
1. Name of conveying party(ies): Thomas Andrew Strasser Per Bang Hansen Neil Allan Jackman Andrew John Stentz Jefferson L. Wagener	2. Name and address of receiving party(ies):  Name: Photuris, Inc.  Internal Address:
Additional names(s) of conveying party(ies)	
3. Nature of conveyance:	
☑ Assignment ☐ Merger	Street Address: 20 Corporate Place South
☐ Security Agreement ☐ Change of Name	
Other 4/9/02Wagener; 4/11/02 Stentz	City: Piscataway State: NJ ZIP: 08854
Execution Date: 4/10/02 Strasser, Hansen, Jackman	Additional name(s) & address(es) attached?   Yes  No
10/099,891 Filed 03/15/02	
Additional numbers attac	hed? Li Yes Mi No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Stuart H. Mayer	7. Total fee (37 CFR 3.41):\$ 40.00
Internal Address: Mayer Fortkort & Williams, PC	<ul> <li>Enclosed - Any excess or insufficiency should be credited or debited to deposit account</li> </ul>
	Authorized to be charged to deposit account
Street Address: 251 North Avenue West, 2nd Floor	8. Deposit account number:
	50-1047
City: Westfield State: NJ ZIP: 07090	(Attach duplicate copy of this page if paying by deposit account)
	USE THIS SPACE
9. Statement and signature.  To the best of my knowledge and belief, the foregoing inform of the original document.	ation is true and correct and any attached copy is a true copy
Stuart H. Mayer Reg. No. 35,277	
Name of Person Signing  Total number of pages including cover sh	Signature Date  peet, attachments, and document:

OIA	Docket No.: PH01-00-04b
FORM PTO-1595 (Modified) (Rev. 03-01) OMB No. 0651-0027 (exp.5/31/2002) P08/REV03  Tab settings   RECORD  RECO	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commissioner of Pater	ase record the attached original documents or copy thereof.
1. Name of conveying party(ies): Thomas Andrew Strasser Per Bang Hansen Andrew John Stentz Jefferson L. Wagener  6.402	2. Name and address of receiving party(ies):  Name: Photuris, Inc.  Internal Address:
Additional names(s) of conveying party(ies)	
3. Nature of conveyance:	
<ul><li>✓ Assignment</li><li>✓ Merger</li><li>✓ Change of Name</li></ul>	Street Address: 20 Corporate Place South
☐ Other 4/9/02 Wagener; 4/11/02 Stentz;	City: Piscataway State: NJ ZIP: 08854
Execution Date: 4/10/02 Strasser, Hansen	Additional name(s) & address(es) attached?   Yes  No
10/099,891 Filed 03/15/02	ahad? D Vaa M Na
Additional numbers attack	ched?
<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>	6. Total number of applications and patents involved:
Name: Stuart H. Mayer	7. Total fee (37 CFR 3.41):\$ 40.00
Internal Address: Mayer Fortkort & Williams, PC	☐ Enclosed - Any excess or insufficiency should be
06/12/2002 STBN11 00000346 501047 10099891	credited or debited to deposit account
D1 FC:581 40.00 CH	Authorized to be charged to deposit account
Street Address: 251 North Avenue West, 2nd Floor	8. Deposit account number: 50-1047
City: Westfield State: NJ ZIP: 07090	(Attach duplicate copy of this page if paying by deposit account)
9. Statement and signature.	USE THIS SPACE
	ation is true and correct and any attached copy is a true copy  5/30/02
Name of Person Signing	Signature Date
Total number of pages including cover si	

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

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## ASSIGNMENT FOR UNITED STATES PATENT APPLICATION (PATENT APPLICATION PENDING) (SOLE OR JOINT)

Docket: <u>PH01-00-04B</u>

WHEREAS, Thomas Andrew Strasser, a citizen of the United States, residing at 6 Harmony Road, Warren, New Jersey 07059, Per Bang Hansen, a citizen of Denmark, residing at 4 Sheraton Lane, Rumson, New Jersey 07760, Neil Allan Jackman, a citizen of Great Britain, residing at 312 Rock Oak Road, Freehold, New Jersey 07728, Andrew John Stentz, a citizen of the United States, residing at 9 Goosetown Drive, Clinton, New Jersey 08809, and Jefferson L. Wagener, a citizen of the United States, residing at 1312 River Road, New Hope, Pennsylvania 18938 (hereinafter collectively and severally referred to as assignor) have invented a certain invention entitled:

METHOD AND APPARATUS FOR PROVIDING GAIN EQUALIZATION TO AN OPTICAL SIGNAL IN AN OPTICAL COMMUNICATIONS SYSTEM

for which application for Letters Patent of the United States has been filed with the United States Patent & Trademark Office on March 15, 2002 and bearing Serial Number 10/099,891 and

WHEREAS, Photuris, Inc., a Delaware corporation having an office at 20 Corporate Place South, Piscataway, New Jersey 08854 (hereinafter referred to as "assignee", which term includes the successors and assigns of assignee), is desirous of acquiring the entire right, title and interest, in and to said invention and in and to said letters patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW THEREFORE, be it known that in consideration of the payment by assignee to assignor of the sum of one dollar (\$1.00) and for other good and valuable consideration, the receipt of which is hereby acknowledged, assignor hereby sells, assigns and transfers to assignee his full and complete right, title, and interest in and to said invention and said patent application (including the rights of priority thereto) in the United States, its possessions, and in all foreign countries, and to all Letters Patent or similar legal protection in the United

States, its possessions, and any and all foreign countries to be obtained on said invention or issuing from said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment, sale, and transfer.

ASSIGNOR further covenants that assignee will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention, application, and Letters Patent and legal equivalents thereto in such foreign countries as may be known to and within the control of assignor and assignor will in good faith testify as to the same in any interference, proceeding, or litigation related thereto and will promptly execute and deliver to assignee or its legal representative any and all papers, instruments, affidavits, or the like required or useful to apply for, obtain, maintain, issue and enforce said application or Letters Patent or equivalent thereof in any aforesaid country of the world which may be necessary or desirable therefor.

IN TESTIMONY WHEREOF, I have he day of	reunto set my hand and seal this 15th  Thomas Andrew STRASSER
United States of America	)
State of (New Jersey)	) ss:
County of (Somerset) Micoles EX	)

On this \_\_\_\_\_\_ day of \_\_\_\_\_\_ 2002, before me personally came THOMAS ANDREW STRASSER, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of same.

PEGGIE J. CZACHOWISK

NOTARY PUBLIC

STATE OF NEW JERSEY, MIDDLESEX COUNTY COMMISSION EXPIRES, SEPTEMBER 11, 2004

IN TESTIMONY WHEREOF, I ha	ave hereunto 2.	o set my hand and seal this 10th
•		Por Bong HANSEN
United States of America	)	Per Bang HANSEN
State of (New Jersey)	) ss:	
County of (Somerset) Mindus	ESEX)	
On this day of day of PER BANG HANSEN, to me kno executed the foregoing instrument,	wn to be the	Notary Public
IN TESTMONY WHEREOF, I had also of, 2002	eve hereunto 2.	PEGGIE I. CZACHOWSKI  NOTARY PUBLIC  STATE OF NEW JERSEY, MIDDLESEX, COUNTY  SECTION ISSIDAL EMPIRES: SEPTEMBER 21, 2001
United States of America	)	Neil Allan JACKMAN
State of (New Jersey)	) ss:	
County of Softwarfets MIDDU	ESEX)	
On this 10th day of NEIL ALLAN JACKMAN, to me executed the foregoing instrument,	known to	2002, before me personally came be the individual described in and who wledged execution of same.  Notary Public
	3	PEGGIE J. CZACHOWSKI NOTARY PUBLIC STATE OF NEW JERSEY, MIDDLESEX COUNTY MMISSION EXPIRES, SEPTEMBER 11, 2004

IN TESTIMONY WHEREOF, I have he day of the property of the pro	ereunt	to set my hand and seal this 17th
, 2002.		Juden shi He
United States of America	)	Andrew John STENTZ
State of (New Jersey)	) ss:	
County of (Somerset) MIOOLESEX	)	
On this // day of ANDREW JOHN STENTZ, to me know executed the foregoing instrument, and a	own to	be the individual described in and who
IN TESTEMONY WHEREOF, I have he day of, 2002.	ereunt	PEGGIE J. CZACHOWSKI NOTARY PUBLIC STATE OF NEW JERSEY, MIDDLESEX COUNTY COMMISSION EXPIRES, SEPTEMBER 11, 2004 o set my hand and seal this
United States of America	)	Jefferson L. WAGENER
State of (New Jersey)	) ss:	
County of (Somerset) MIDDLESEX	)	
On this 1 day of JEFFERSON L. WAGENER, to me know ho executed the foregoing instrument,	nown	to be the individual described in and
4	/	PEGGIE J. CZACHOWSKI NOTARY PUBLIC STATE OF NEW JERSEY, MIDDLESEX COUNTY COMMISSION EXPIRES, SEPTEMBER 11, 2004

RECORDED: 06/04/2002