2033231803

RECORDATION FORM COVER SHEET PATENTS ONLY OPE-024D1 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) Geoff W. Taylor Jianhong Cai Daniel C. Upp Additional name(s) of conveying party(ies) attached? Ves No 3. Nature of conveying party(ies) attached? Ves No 3. Nature of conveying party(ies) attached? Ves No 3. Nature of conveying party(ies) notation no	Form PTO-1595 (Rev. 03/05) OMB No. 0651-0027 (exp. 6/30/2005)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office
To the Director of the U.S. Patent and Tradamark Office: Please record the attached documents of the new address(es) below. 1. Name of conveying party(ies) 3. Name and address of receiving party(ies) 3. Name: The University of Connecticut Internal Address: 2. Name and address of receiving party(ies) 3. Nature of conveying party(ies) attached? Yes No. 3. Nature of conveyance/Execution Date(s): Execution Date(s) June 20, 2003, November 12, 2003 2. Assignment Merger 3. Street Address: 263 Farmington Avenue City: Farmington State: CT Country: Zip: 96030 4. Application or patent number(s): A Patent Application or patent number(s): A Patent Application No.(s) 5. Name and address to whom correspondence concerning document should be mailed: Name Gordon & Jacobson, P.C. Internal Address: Street Address: 60 Long Ridge Road Suite 407 City: Stamford State: CT Country: Zip: 96030 Additional name(s) & address(es) attached? Yes No. 6. Total number of applications and patents involved: one Authorized to be charged by credit card Authorized to be charged by credit card Authorized to be charged to deposit account Exclosed None required (government interest not affecting this state: CT Zip: 96902 Phone Number: 203 323-1800 Fax Number: 203 323-1803 Email Address: 9. Signature: 2. Name and address of receiving party(ies) Name: The University of Connecticut Internal Address: City: Farmington Street Address: 263 Farmington Avenue City: Farmington City: Farmington State: CT Country: Zip: 96030 City: Farmington State: CT Country: Zip: 96030 Additional name(s) & address(es) attached? Yes No. B. Patent No.(s) 6. Total number of applications and patents involved: one 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged to deposit account Exclosed None required (government interest not affecting this street Card Card Last 4 Numbers Expiration Date b. Deposit Account Number 97-1732 Authorized User Name 34, P. Strollini.		
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Secontry Security	To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.	
Internal Address: Inte	1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
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✓ Assignment Merger Security Agreement Change of Name Joint Research Agreement State: CT Government Interest Assignment Country: Zip:06030 Additional name(s) & address(es) attached? ✓ Yes ✓ Notational name(es) & address(es) attach		
Security Agreement	I	
Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Other Additional name(s) & address(es) attached? Yes No	 	City: Farmington
Government Interest Assignment Executive Order 9424, Confirmatory License Other 4. Application or patent number(s): A Patent Application No.(s) 11/424,012 Additional numbers attached? Additional number of applications and patents involved: one Name: Gordon & Jacobson, P.C. Internal Address: Street Address: 60 Long Ridge Road Suite 407 City: Stamford State: CT Phone Number: 203 323-1800 Fax Number: 203 323-1803 Email Address: Country: Zip:06030 Additional name(s) & address(es) attached? Ives Internal No.(s) B. Patent No.(s) 6. Total number of applications and patents involved: one 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card Iverplay Authorized to be charged to deposit account Internal Road Road Road Internal Road Road Road Internal Road Road Road Road Road Road Road Road		State: CT
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4. Application or patent number(s): A. Patent Application No.(s) 11/424,012 Additional numbers attached? Yes No 5. Name and address to whom correspondence concerning document should be mailed: Name: Gordon & Jacobson, P.C. Internal Address: Street Address: 60 Long Ridge Road Suite 407 City: Stamford State: CT Zip: 06902 Phone Number: 203 323-1800 Fax Number: 203 323-1803 Email Address: 9. Signature: This document is being filed together with a new application of the properties of th	l <u>=</u>	Country:Zip: <u>06030</u>
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Name: Gordon & Jacobson, P.C. Internal Address: Street Address: 60 Long Ridge Road Suite 407 City: Stamford State: CT Zip:06902 Phone Number: 203 323-1800 Fax Number: 203 323-1803 Email Address: Stignature: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Benclosed None required (government interest not affecting title 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 07-1732 Authorized User Name Jay P. Sbrollini 7an. 31, 2008	5. Name and address to whom correspondence	6. Total number of applications and patents
Internal Address:	_	involved: one
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State: CT	Suite 407	
State: CT	City: Stamford	
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Fax Number: 203 323-1803 Email Address: 9. Signature: Authorized User Name Jay P. Strollini Tan. 31, 2008	Phone Number: 203 323-1800	b Deposit Account Number 07-1732
9. Signature: Jan. 31, 2008	Fax Number: 203 323-1803	
9. Signature: Jan. 31, 2008 Signature Date	Email Address:	Authorized Oser Name Jay F. Sproitini
Signature Date	9. Signature: ((A. P. Alas)	Jan. 31. 2008
	Signature	
Jay P. Sbrollini Name of Person Signing Total number of pages including cover sheet, attachments, and documents:		

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

Application No. 11/424,012

Our Docket No. OPE-024D1

ADDITIONAL NAME AND ADDRESS OF RECEIVING PARTIES

Opel, Inc. 3 Corporate Drive Suite 204 Shelton, CT 06484

> PATENT REEL: 020443 FRAME: 0300

Docket No.: OPE-024

ASSIGNMENT

WHEREAS, I, **Geoff W. Taylor**, ASSIGNOR, citizen of the United States, residing at 22 Quail Run, Mansfield, CT 06268 is the inventor of the invention in

INTERFERENCE CANCELLATION SYSTEM EMPLOYING PHOTONIC SIGMA DELTA MODULATION AND OPTICAL TRUE TIME DELAY

WHEREAS, **The University of Connecticut**, a public institution of higher education, organized under the laws of the state of Connecticut, having a place of business at 263 Farmington Avenue, Farmington, CT 06030, and **Opel, Inc.**, a corporation organized under the laws of the state of Delaware, having a place of business at 255 Quaker Lane, Suite 100, West Warwick, RI 02893, ASSIGNEES are desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEES, their successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof; and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND I 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 or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEES, their successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

2033231803

AND I HEREBY further covenant and agree that I will communicate to the said ASSIGNEES, their successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing reissue and foreign applications make all rightful oaths, and generally do everything possible to aid the said ASSIGNEES, their successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

The undersigned hereby grant(s) David P. Gordon the power to insert on this Assignment any further identification which may be necessary in order to comply with the rules of the U.S. Patent and Trademark Office for the recordation of this document.

SEAL

My commission expires : 11-80-06

Docket No.: OPE-024

ASSIGNMENT

WHEREAS, I, **Jianhong Cai**, ASSIGNOR, citizen of the Canada, residing at 8 Royal Crest Drive, #1, Nashua, NH 03060 is the inventor of the invention in

INTERFERENCE CANCELLATION SYSTEM EMPLOYING PHOTONIC SIGMA DELTA MODULATION AND OPTICAL TRUE TIME DELAY

WHEREAS, **The University of Connecticut**, a public institution of higher education, organized under the laws of the state of Connecticut, having a place of business at 263 Farmington Avenue, Farmington, CT 06030, and **Opel**, **Inc.**, a corporation organized under the laws of the state of Delaware, having a place of business at 255 Quaker Lane, Suite 100, West Warwick, RI 02893, ASSIGNEES are desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEES, their successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof; and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said Invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND I 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 or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEES, their successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

Docket No. OPE-024

AND I HEREBY further covenant and agree that I will communicate to the said ASSIGNEES, their successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing reissue and foreign applications make all rightful oaths, and generally do everything possible to aid the said ASSIGNEES, their successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

The undersigned hereby grant(s) David P. Gordon and David S. Jacobson the power to insert on this Assignment any further identification which may be necessary in order to comply with the rules of the U.S. Patent and Trademark Office for the recordation of this document.

IN TESTIMONY WHEREOF, I, Jianhong Cai, hereunto set my hand and seal the day and year set opposite my respective signature.

2033231803

State of Connecticut 👌 ss: Coventry County of Tolland

BE IT KNOWN, that on this personally appeared Jianhong Cal, to me known and known to me to be the individual described in and who executed the foregoing assignment and he acknowledged to me that he executed the same.

SEAL

My commission expires ://-30-06

10/29/2003 10:54 2033291180

GORDON & JACOP≏ON

PAGE 85

Docket No.: OPE-024

<u>ASSIGNMENT</u>

WHEREAS, I, Daniel C. Upp, ASSIGNOR, citizen of the United States, residing at 15 Pepper Tree Hill Lane, Southbury, CT 06488 is the inventor of the invention in

INTERFERENCE CANCELLATION SYSTEM EMPLOYING PHOTONIC SIGMA DELTA MODULATION AND OPTICAL TRUE TIME DELAY

as described and set forth in an application for Letters Patent of the United States of America, filed by me on the 24th day of June 2003 as serial number 10/602,217 (Docket No. OPE-024).

WHEREAS, The University of Connecticut, a public institution of higher education, organized under the laws of the state of Connecticut, having a place of business at 263 Fermington Avenue, Farmington, CT 06030, and Opel, Inc., a corporation organized under the laws of the state of Delaware, having a place of business at 255 Quaker Lane, Suite 100, West Warwick, RI 02893, ASSIGNEES are desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEES, their successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof; and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

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AND I HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

> PATENT **REEL: 020443 FRAME: 0305**

10/29/2003 10:54

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GORDON & JAC 750M

PAGE 05

Docket No.: OPE-024

AND I HEREBY further covenant and agree that I will communicate to the said ASSIGNEES, their successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing reissue and foreign applications make all rightful oaths, and generally do everything possible to aid the said ASSIGNEES, their successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

The undersigned hereby grant(s) David : Gordon and David S. Jacobson the power to insert on this Assignment any further ide. Tication which may be necessary in order to comply with the rules of the U.S. Patent at Trademark Office for the

IN TESTIMONY WHEREOF, I, **Daniel C. Upp**, hereunto set my hand and seal the day and year set opposite my respective signature.

Daniel C. Upp

Date <u>/2 Nov</u> 2003

State of Connecticut

County of New Haven

Ss: Struthbury

SEAL

My commission expires :

BARBARA GENTILE NOTARY PUBLIC MY COMMISSION EXPIRES AUG. 31, 2007

PATENT

REEL: 020443 FRAME: 0306