

06-20-2003

6-18-03 REC



T

OPE-012

102481200

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of Conveying party(ies): Geoff W. Taylor Rohinton Dehmubed Jianhong Cai Daniel C. Upp</p>	<p>2. Name and address of receiving party(ies): The University of Connecticut 263 Farmington Avenue Farmington, CT 06030</p>
--	---

<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p>Execution Date: 12/6/02, 12/9/02, 12/9/02 & 6/6/03 respectively</p>	<p>AND</p> <p>OPEL, Inc. 255 Quaker Lane Suite 100 West Warwick, RI 02893</p> <p>Additional name(s) & address(es) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
---	--

<p>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:</p>	
<p>A. Patent Application No.(s) 10/280,892</p>	<p>B. Patent No.(s)</p>

<p>5. Name and address of party to whom correspondence concerning document should be mailed: Gordon & Jacobson, P.C. 65 Woods End Road Stamford, CT 06905</p>	<p>6. Total number of applications and patents involved:</p>
	<p>7. Total fee (37 CFR 3.41).....\$ 40.00 <input checked="" type="checkbox"/> Payment previous made - see attached original Recordation Cover Sheet <input type="checkbox"/> Authorized to charge deposit account</p>
	<p>8. Deposit account number: 07-1732 (attach duplicate page if paying by deposit account)</p>

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.

David P. Gordon		June 10, 2003
Name of Person Signing	Signature	Date

Total number of pages including cover sheet, attachments, and document: 9

06/19/2003 ECDDPER 00000075 10280892
 01 FC=8021 40.00 OP

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

**OPTOELECTRONIC DEVICE EMPLOYING AT LEAST ONE SEMICONDUCTOR
HETEROJUNCTION THYRISTOR FOR PRODUCING VARIABLE ELECTRICAL/OPTICAL DELAY**

as described and set forth in an application for Letters Patent of the United States of America, filed by me on the **25th** day of **October 2002** as serial number **10/280,892** (**Docket No. OPE-012**).

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;

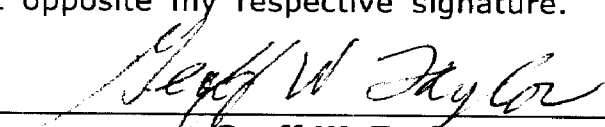
AND I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to 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.

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.

IN TESTIMONY WHEREOF, I, **Geoff W. Taylor**, hereunto set my hand and seal the day and year set opposite my respective signature.

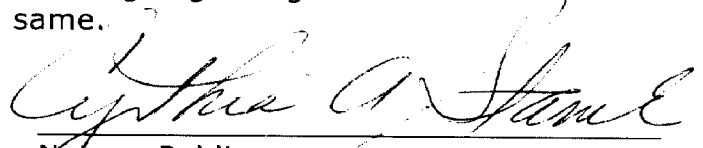


Geoff W. Taylor L.S.

Date December 6, 2002

State of Connecticut)
County of Tolland) ss: Coventry

BE IT KNOWN, that on this 6th day of December 2002, personally appeared **Geoff W. Taylor**, 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.



Notary Public

S E A L

My commission expires : **My Commission Exp. Oct. 31, 2005**

ASSIGNMENT

WHEREAS, I, **Rohinton Dehmubed**, ASSIGNOR, citizen of India, residing at 57C Kaye Vue Drive, Hamden, CT 06514 is the inventor of the invention in

**OPTOELECTRONIC DEVICE EMPLOYING AT LEAST ONE SEMICONDUCTOR
HETEROJUNCTION THYRISTOR FOR PRODUCING VARIABLE ELECTRICAL/OPTICAL DELAY**

as described and set forth in an application for Letters Patent of the United States of America, filed by me on the **25th** day of **October 2002** as serial number **10/280,892** (**Docket No. OPE-012**).

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.

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.

IN TESTIMONY WHEREOF, I, **Rohinton Dehmubed**, hereunto set my hand and seal the day and year set opposite my respective signature.

Rohinton Dehmubed

Rohinton Dehmubed

L.S.

Date 12/09/2002, 2002

State of Connecticut)
County of New Haven) ss: New Haven

BE IT KNOWN, that on this 9th day of December 2002, personally appeared **Rohinton Dehmubed**, 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.

M. J. DeKane
Notary Public
My Commission Exp. Dec. 31, 2006

SEAL

My commission expires :

ASSIGNMENT

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

**OPTOELECTRONIC DEVICE EMPLOYING AT LEAST ONE SEMICONDUCTOR
HETEROJUNCTION THYRISTOR FOR PRODUCING VARIABLE ELECTRICAL/OPTICAL DELAY**

as described and set forth in an application for Letters Patent of the United States of America, filed by me on the **25th** day of **October 2002** as serial number **10/280,892** (**Docket No. OPE-012**).

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.

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.

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

Jianhong Cai _____ L.S.
Jianhong Cai

Date Dec. 9th, 2002

State of ct)
County of Tolland) ss:

BE IT KNOWN, that on this 9th day of December 2002, personally appeared **Jianhong Cai**, 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.

Angel Evans
Notary Public

S E A L

My commission expires :

ANGEL EVANS
NOTARY PUBLIC
MY COMMISSION EXPIRES JUNE 30, 2003

ASSIGNMENT

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

**OPTOELECTRONIC DEVICE EMPLOYING AT LEAST ONE SEMICONDUCTOR
HETEROJUNCTION THYRISTOR FOR PRODUCING VARIABLE ELECTRICAL/OPTICAL DELAY**

as described and set forth in an application for Letters Patent of the United States of America, filed by me on the **25th** day of **October 2002** as serial number **10/280,892** (**Docket No. OPE-012**).

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;

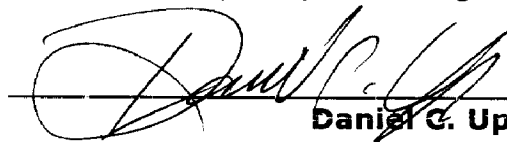
AND I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to 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.

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.

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 L.S.

Date 6 June '03, 2003

State of Connecticut)
) ss: Southbury
County of New Haven)

BE IT KNOWN, that on this 6 day of June 2003, personally appeared **Daniel C. Upp**, 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.



Notary Public

SEAL

My commission expires :

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