

08-30-2002

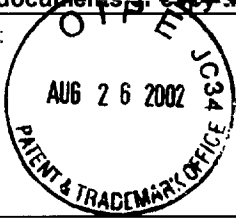


To the Honorable Commissioner of P
Please record the attached original document.

102205901

ATTN. BOX ASSIGNMENTS

1. Name of conveying party(ies): Jason K. BLOMS James J. FALETTI Richard H. HOLTMAN Scott A. LEMAN David A. PIERPONT	2. Name and address of receiving party(ies): Name: Caterpillar Inc.
---	--



8-26-02

Additional name(s) of conveying party(ies) attached? Yes No Internal Address:

3. Nature of conveyance: Street Address: 100 N. E. Adams Street

Assignment Merger City: Peoria

Security Agreement Change of Name State: IL Zip Code: 61629-6490

Other: Additional name(s) & Address(es) attached?

Execution Date: August 9, 2002; August 5, 2002; August 26, 2002; August 5, 2002; August 16, 2002, respectively. Yes No

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:

A. Patent Application Number(s): 10/144,065	B. Patent Number(s):
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

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

6. Total number of applications and registrations involved: One

Name: Christopher P. Isaac

08/28/2002 WABDEL R1 00000022 10144065

02 FC:581 40.00 DP

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Street Address: 1300 I Street, N.W.

City: Washington, D.C.

7. Total fee (37 CFR 3.41): \$40


Enclosed (Please charge deficiency to deposit account)

Authorized to be charged to deposit account

State: Zip: 20005-3315 8. Deposit Account No.: 06-0916

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.

Kurt A. Luther, Reg. No. 43,764  August 26, 2002

Signature Date

Total number of pages including cover sheet, attachments and documents: 21

ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

ENGINE VALVE ACTUATION SYSTEM AND METHOD

for which We filed an application for United States Letters Patent on May 14, 2002 (Application No. 10/144,065); and

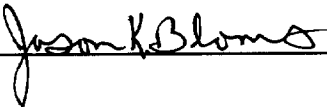
WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 100 N.E. Adams Street, Peoria, Illinois 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, provisional application Serial No. , filed (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

1. FULL NAME OF FIRST ASSIGNOR Jason Kenneth Bloms	ASSIGNOR'S SIGNATURE 	DATE 8/9/2002
ADDRESS 6230 N. Frostwood Parkway, Peoria, Illinois 61615-2805		CITIZENSHIP United States

Listing of Inventors Continued on Page 2 hereof ■ Yes □ No

1. WITNESS NAME <i>Scott A Keeley</i>	WITNESS SIGNATURE <i>Scott Keeley</i>	DATE <i>8-9-2002</i>
ADDRESS <i>4056 W Hollow Creek Dr #809</i>		CITIZENSHIP <i>US</i>
<i>Peoria IL 61615</i>		

2. WITNESS NAME <i>STEPHEN H. WATERS</i>	WITNESS SIGNATURE <i>Stephen H Waters</i>	DATE <i>8-9-2002</i>
ADDRESS <i>406 GAMBEL CT.</i>		CITIZENSHIP <i>US</i>
<i>NORMAL IL 61761</i>		

1. FULL NAME OF SECOND ASSIGNOR <i>James J. Faletti</i>	ASSIGNOR'S SIGNATURE	DATE
ADDRESS <i>331 W. Iowa Street, Spring Valley, Illinois 61362-1833</i>		CITIZENSHIP <i>United States</i>

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

1. FULL NAME OF THIRD ASSIGNOR Richard Herman Holtman	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 2030 W. Bristol Hollow Road, Dunlap Illinois 61525-9348		CITIZENSHIP United States

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

1. FULL NAME OF FOURTH ASSIGNOR Scott Alan Leman	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 730 State Route 117, Eureka, Illinois 61530		CITIZENSHIP United States

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

1. FULL NAME OF FIFTH ASSIGNOR David Andrew Pierpont	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 2203 W. Warwick Drive, Peoria, Illinois 61615-3351		CITIZENSHIP United States

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

ENGINE VALVE ACTUATION SYSTEM AND METHOD

for which We filed an application for United States Letters Patent on May 14, 2002 (Application No. 10/144,065); and

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 100 N.E. Adams Street, Peoria, Illinois 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, provisional application Serial No. , filed (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

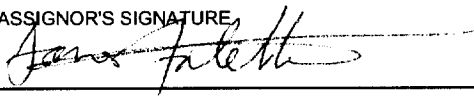
IN TESTIMONY WHEREOF, We have hereunto set our hands.


1. FULL NAME OF FIRST ASSIGNOR Jason Kenneth Bloms	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 6230 N. Frostwood Parkway, Peoria, Illinois 61615-2805		CITIZENSHIP United States


Listing of Inventors Continued on Page 2 hereof ■ Yes □ No

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS	CITIZENSHIP	

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS	CITIZENSHIP	

1. FULL NAME OF SECOND ASSIGNOR James J. Faletti	ASSIGNOR'S SIGNATURE 	DATE 05-AUG-02
ADDRESS 331 W. Iowa Street, Spring Valley, Illinois 61362-1833	CITIZENSHIP United States	

1. WITNESS NAME Mark Patterson	WITNESS SIGNATURE 	DATE 5 Aug 02
ADDRESS 7400 N. Villa Lake Dr. Apt C-7, Peoria IL 61614	CITIZENSHIP USA	

2. WITNESS NAME Cathy Y Choi	WITNESS SIGNATURE 	DATE 5 Aug 2002
ADDRESS 37 Blackberry Ln Morton IL 61550	CITIZENSHIP USA	

1. FULL NAME OF THIRD ASSIGNOR Richard Herman Holtman	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 2030 W. Bristol Hollow Road, Dunlap Illinois 61525-9348		CITIZENSHIP United States

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

1. FULL NAME OF FOURTH ASSIGNOR Scott Alan Leman	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 730 State Route 117, Eureka, Illinois 61530		CITIZENSHIP United States

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

1. FULL NAME OF FIFTH ASSIGNOR David Andrew Pierpont	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 2203 W. Warwick Drive, Peoria, Illinois 61615-3351		CITIZENSHIP United States

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

ENGINE VALVE ACTUATION SYSTEM AND METHOD

for which We filed an application for United States Letters Patent on May 14, 2002 (Application No. 10/144,065); and

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 100 N.E. Adams Street, Peoria, Illinois 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, provisional application Serial No. , filed (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

1. FULL NAME OF FIRST ASSIGNOR Jason Kenneth Bloms	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 6230 N. Frostwood Parkway, Peoria, Illinois 61615-2805		CITIZENSHIP United States

Listing of Inventors Continued on Page 2 hereof ■ Yes □ No

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

1. FULL NAME OF SECOND ASSIGNOR James J. Faletti	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 331 W. Iowa Street, Spring Valley, Illinois 61362-1833		CITIZENSHIP United States

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

SOLE/JOINT INVENTION
 (Worldwide Rights)
 Attorney Docket No. 08350.2161
 Client Ref. No. 02-161

1. FULL NAME OF THIRD ASSIGNOR Richard Herman Holtman	ASSIGNOR'S SIGNATURE <i>Richard H. Holtman</i>	DATE 08/26/02
ADDRESS 2030 W. Bristol Hollow Road, Dunlap Illinois 61525-9348		CITIZENSHIP United States

1. WITNESS NAME J. Timothy Board	WITNESS SIGNATURE <i>JTB</i>	DATE 8/26/2002
ADDRESS 318 Hawthorne, Elmwood Illinois 61529		CITIZENSHIP U.S.

2. WITNESS NAME Vincent P Warner	WITNESS SIGNATURE <i>Vincent P Warner</i>	DATE 8/26/02
ADDRESS 5331 N. Castleberry Dr. Peoria, IL 61615		CITIZENSHIP U.S.

1. FULL NAME OF FOURTH ASSIGNOR Scott Alan Leman	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 730 State Route 117, Eureka, Illinois 61530		CITIZENSHIP United States

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

1. FULL NAME OF FIFTH ASSIGNOR David Andrew Pierpont	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 2203 W. Warwick Drive, Peoria, Illinois 61615-3351		CITIZENSHIP United States

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

ENGINE VALVE ACTUATION SYSTEM AND METHOD

for which We filed an application for United States Letters Patent on May 14, 2002 (Application No. 10/144,065); and

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 100 N.E. Adams Street, Peoria, Illinois 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, provisional application Serial No. , filed (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

1. FULL NAME OF FIRST ASSIGNOR Jason Kenneth Bloms	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 6230 N. Frostwood Parkway, Peoria, Illinois 61615-2805		CITIZENSHIP United States

Listing of Inventors Continued on Page 2 hereof ■ Yes □ No

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

1. FULL NAME OF SECOND ASSIGNOR James J. Faletti	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 331 W. Iowa Street, Spring Valley, Illinois 61362-1833		CITIZENSHIP United States

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

1. FULL NAME OF THIRD ASSIGNOR Richard Herman Holtman	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 2030 W. Bristol Hollow Road, Dunlap Illinois 61525-9348		CITIZENSHIP United States

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

1. FULL NAME OF FOURTH ASSIGNOR Scott Alan Leman	ASSIGNOR'S SIGNATURE <i>Scott Leman</i>	DATE 8-5-02
ADDRESS 730 State Route 117, Eureka, Illinois 61530		CITIZENSHIP United States

1. WITNESS NAME <i>Julie A. Fox</i>	WITNESS SIGNATURE <i>Julie A. Fox</i>	DATE 8-5-02
ADDRESS <i>14690 N 2800 E Rd., Sennemin, IL 61769</i>		CITIZENSHIP U.S.

2. WITNESS NAME <i>David E. Martin</i>	WITNESS SIGNATURE <i>David E. Martin</i>	DATE 8-5-02
ADDRESS <i>1506 DUBLIN DR. NORMAL, IL</i>		CITIZENSHIP USA

1. FULL NAME OF FIFTH ASSIGNOR David Andrew Pierpont	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 2203 W. Warwick Drive, Peoria, Illinois 61615-3351		CITIZENSHIP United States

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

ENGINE VALVE ACTUATION SYSTEM AND METHOD

for which We filed an application for United States Letters Patent on May 14, 2002 (Application No. 10/144,065); and

WHEREAS, Caterpillar Inc., a corporation of Delaware whose post office address is 100 N.E. Adams Street, Peoria, Illinois 61629-6490 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, provisional application Serial No. , filed (if any), and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

1. FULL NAME OF FIRST ASSIGNOR Jason Kenneth Bloms	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 6230 N. Frostwood Parkway, Peoria, Illinois 61615-2805		CITIZENSHIP United States

Listing of Inventors Continued on Page 2 hereof ■ Yes □ No

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

1. FULL NAME OF SECOND ASSIGNOR James J. Faletti	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 331 W. Iowa Street, Spring Valley, Illinois 61362-1833		CITIZENSHIP United States

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

1. FULL NAME OF THIRD ASSIGNOR Richard Herman Holtman	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 2030 W. Bristol Hollow Road, Dunlap Illinois 61525-9348		CITIZENSHIP United States

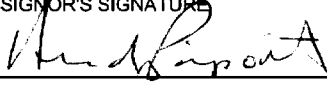
1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

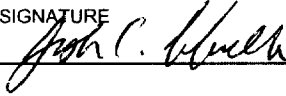
2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP


1. FULL NAME OF FOURTH ASSIGNOR Scott Alan Leman	ASSIGNOR'S SIGNATURE	DATE
ADDRESS 730 State Route 117, Eureka, Illinois 61530		CITIZENSHIP United States

1. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

2. WITNESS NAME	WITNESS SIGNATURE	DATE
ADDRESS		CITIZENSHIP

1. FULL NAME OF FIFTH ASSIGNOR David Andrew Pierpont	ASSIGNOR'S SIGNATURE 	DATE 8-16-02
ADDRESS 2203 W. Warwick Drive, Peoria, Illinois 61615-3351 11907 N. Windcrest Ct Danlap, IL 61525		CITIZENSHIP United States

1. WITNESS NAME JOSEPH CHARLES CIBULKA	WITNESS SIGNATURE 	DATE
ADDRESS 604 W. MT. HAWLEY TERR. PEORIA IL 61615		CITIZENSHIP

2. WITNESS NAME K. Zachary Richey	WITNESS SIGNATURE 	DATE 08/16/02
ADDRESS 1425 N. Douglas St. Peoria, IL 61604		CITIZENSHIP