

07-30-2003

OMB No. 0651-0027 (exp. 5/31/2002)

Tab settings ⇌ ⇌ ⇌ ▼

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

102511350

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

1. Name of conveying party(ies):

Gerald N. Coleman Eric C. Fluga
Kevin P. Duffy Jonathan P. Kilkenny
Stephen A. Faulkner Scott A. Leman

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

01/31/2003 02/12/2003
01/31/2003 02/03/2003

Execution Date: 02/15/2003 02/17/2003

2. Name and address of receiving party(ies)

Name: Caterpillar Inc.

Internal Address: Intellectual Property Dept.

Street Address: 100 N.E. Adams Street

City: Peoria State: IL Zip: 61629

Additional name(s) & address(es) attached? ☒ 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 is: 01/31/2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Steve D. Lundquist

Internal Address: Caterpillar Inc.

Intellectual Property Department

100 N. E. Adams Street

Street Address: _____

City: Peoria State: IL Zip: 61629-6490

6. Total number of applications and patents involved: 1

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

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number: 03-1129

Docket Number: 01-649.1

(Attach duplicate copy of this page if paying by deposit account)

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.

Steve D. Lundquist

Name of Person Signing

Signature

02/20/2003

Date

Total number of pages including cover sheet, attachments, and documents: 09

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

CONTINUATION SHEET

Form PTO-1595
(Rev. 03/01)

RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002)

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):

Cornelius N. Opris
Maarten Verkiel
James R. Weber

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

01/17/2003
01/27/2003

Execution Date: 01/23/2003

2. Name and address of receiving party(ies)

Name: Caterpillar Inc.

Internal Address: Intellectual Property Dept.

Street Address: 100 N.E. Adams Street

City: Peoria State: IL Zip: 61629

Additional name(s) & address(es) attached? ☒ Yes ☐ No

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**PATENT
REEL: 014318 FRAME: 0763**

03-06-2003



CON

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Form PTO-1595
(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

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01/17/2003
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Steve D. Lundquist
Name of Person Signing

Signature

02/20/2003
Date

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Washington, D.C. 20231

03/06/2003 ECDPDR 00000000-031400-102382880

01 FC:0021 40.00 CH

PATENT
REEL: 014318 FRAME: 0764

CONTINUATION SHEET

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(Rev. 03/01)

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Steve D. Lundquist
Name of Person Signing


Signature

02/20/2003
Date

Total number of pages including cover sheet, attachments, and documents: 09

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Washington, D.C. 20231

PATENT
REEL: 014318 FRAME: 0765

PTO 10/27/03 02/20/03

ASSIGNMENT

WHEREAS, GERALD N. COLEMAN, residing at Dunlap, Illinois, hereinafter referred to as ASSIGNOR has invented together with Kevin P. Duffy, Stephen A. Faulkner, Eric C. Fluga, Jonathan P. Kilkenny, Scott A. Leman, Cornelius N. Opris, Maarten Verkiel and James R. Weber a new and useful

AIR AND FUEL SUPPLY SYSTEM FOR COMBUSTION ENGINE

for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on 1/31/03; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc.

4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

Gerald N. Coleman
GERALD N. COLEMAN

1/31/03
Date

IN WITNESS OF the execution hereof by GERALD N. COLEMAN we have hereunto set our hands.

Roger S. Brown Jr. 1-31-03
Witness (1) Date
Address: 813 6th Street
Colona, IL 61241

Kevin P. Duffy 1-31-03
Witness (2) Date
Address: 195 E Sunset Way
E. Peoria IL 61611

ASSIGNMENT

WHEREAS, KEVIN P. DUFFY, residing at East Peoria, Illinois, hereinafter referred to ASSIGNOR has invented together with Gerald N. Coleman, Stephen A. Faulkner, Eric C. Fluga, Jonathan P. Kilkenny, Scott A. Leman, Cornelius N. Opris, Maarten Verkiel and James R. Weber a new and useful

AIR AND FUEL SUPPLY SYSTEM FOR COMBUSTION ENGINE

for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on 1/31/03; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc.

4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

Kevin P. Duffy
KEVIN P. DUFFY

1-31-03
Date

IN WITNESS OF the execution hereof by KEVIN P. DUFFY we have hereunto set our hands.

Gerald N. Coleman 1/31/03
Witness (1) Date
Address: 11206 N. Duval Ct.
Dunk, IL 61525

Roger D. Verwey 1-31-03
Witness (2) Date
Address: 813 6th Street
Colona, IL 61241

ASSIGNMENT

WHEREAS, STEPHEN A. FAULKNER, residing at Peoria, Illinois, hereinafter referred to as ASSIGNOR has invented together with Gerald N. Coleman, Kevin P. Duffy, Eric C. Fluga, Jonathan P. Kilkenny, Scott A. Leman, Cornelius N. Opris, Maarten Verkiel and James R. Weber a new and useful

AIR AND FUEL SUPPLY SYSTEM FOR COMBUSTION ENGINE

for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on 2/15/03; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc.

4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.



STEPHEN A. FAULKNER

15th Feb, 2003

Date

IN WITNESS OF the execution hereof by STEPHEN A. FAULKNER we have hereunto set our hands.

Maarten Verkiel 2/17/03

Witness (1)

Date

Address: 2300 WEST BROOKLYN PL
DUNLAP, IL 61525

Amrani 2/17/03

Witness (2)

Date

Address: 1017 W. Brookforest Drive
Peoria, IL 61615

ASSIGNMENT

WHEREAS, ERIC C. FLUGA, residing at Dunlap, Illinois, hereinafter referred to as ASSIGNOR has invented together with Gerald N. Coleman, Kevin P. Duffy, Stephen A. Faulkner, Jonathan P. Kilkenny, Scott A. Leman, Cornelius N. Opris, Maarten Verkiel and James R. Weber a new and useful

AIR AND FUEL SUPPLY SYSTEM FOR COMBUSTION ENGINE

for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on 2/12/03; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc.

4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

Eric C. Fluga
ERIC C. FLUGA

12 Feb 2003
Date

IN WITNESS OF the execution hereof by ERIC C. FLUGA we have hereunto set our hands.

Roger S. Illner Jr. 2/12/03
Witness (1) Date
Address: 813 6th Street
Colona, IL

Cindy L. Bruckner 2/12/03
Witness (2) Date
Address: 3919 W. Verden
Peoria, Ill.

ASSIGNMENT

WHEREAS, JONATHAN P. KILKENNY, residing at Peoria, Illinois, hereinafter referred to as ASSIGNOR has invented together with Gerald N. Coleman, Kevin P. Duffy, Stephen A. Faulkner, Eric C. Fluga, Scott A. Leman, Cornelius N. Opris, Maarten Verkiel and James R. Weber a new and useful

AIR AND FUEL SUPPLY SYSTEM FOR COMBUSTION ENGINE

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WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

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IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.


JONATHAN P. KILKENNY

Feb 3, 2003
Date

IN WITNESS OF the execution hereof by JONATHAN P. KILKENNY we have hereunto set our hands.

Roger S. Brown 2/3/03
Witness (1) Date
Address: 813 6th Street
Colony, IL 61241

Kevin P Duffy 2/3/03
Witness (2) Date
Address: 195 E Sunset Way
E. Peoria IL 61611

ASSIGNMENT

WHEREAS, SCOTT A. LEMAN, residing at Eureka, Illinois, hereinafter referred to as ASSIGNOR has invented together with Gerald N. Coleman, Kevin P. Duffy, Stephen A. Faulkner, Eric C. Fluga, Jonathan P. Kilkenny, Cornelius N. Opris, Maarten Verkiel and James R. Weber a new and useful

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IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

Scott A. Leman
SCOTT A. LEMAN

2-17-03
Date

IN WITNESS OF the execution hereof by SCOTT A. LEMAN we have hereunto set our hands.

Andy Pierpont 2/17/03
Witness (1) Date
Address: 11907 N. W. 4th St. Ct.
DuLap IL 61525

TRENT CLEVELAND 2/18/03
Witness (2) Date
Address: 323 ARBOR VITAE DR.
METAMORA, IL 61548

ASSIGNMENT

WHEREAS, CORNELIUS N. OPRIS, residing at Peoria, Illinois, hereinafter referred to as ASSIGNOR has invented together with Gerald N. Coleman, Kevin P. Duffy, Stephen A. Faulkner, Eric C. Fluga, Jonathan P. Kilkenny, Scott A. Leman, Maarten Verkiel and James R. Weber a new and useful

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IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.




CORNELIUS N. OPRIS

1/17/03

Date

IN WITNESS OF the execution hereof by CORNELIUS N. OPRIS we have hereunto set our hands.

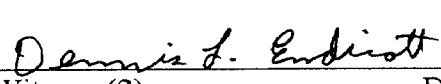


Witness (1)

1/17/03

Date

Address: 1700 W. Hickory Grove Rd #1209
Dunk IL 61525



Witness (2)

1/17/03

Date

Address: 419 W. CLYBOURN CT
PEORIA, IL 61614

ASSIGNMENT

WHEREAS, MAARTEN VERKIEL, residing at Metamora, Illinois, hereinafter referred to as ASSIGNOR has invented together with Gerald N. Coleman, Kevin P. Duffy, Stephen A. Faulkner, Eric C. Fluga, Jonathan P. Kilkenny, Scott A. Leman, Cornelius N. Opris and James R. Weber a new and useful

AIR AND FUEL SUPPLY SYSTEM FOR COMBUSTION ENGINE

for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on 1/27/03; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc.

4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.


IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.


MAARTEN VERKIEL

1/27/03
Date

IN WITNESS OF the execution hereof by MAARTEN VERKIEL we have hereunto set our hands.

Dennis L. Enders 01/27/2003
Witness (1) Date
Address: 419 W. CLYBOURN CT
PEORIA, IL 61614

 1/27/2003
Witness (2) Date
Address: 1700 W. Hickory Grove Rd #1-209
Dunlap, IL 61525

ASSIGNMENT

WHEREAS, JAMES R. WEBER, residing at Lacon, Illinois, hereinafter referred to as ASSIGNOR has invented together with Gerald N. Coleman, Kevin P. Duffy, Stephen A. Faulkner, Eric C. Fluga, Jonathan P. Kilkenny, Scott A. Leman, Cornelius N. Opris and Maarten Verkiel a new and useful

AIR AND FUEL SUPPLY SYSTEM FOR COMBUSTION ENGINE

for which ASSIGNOR is about to file an international application and/or make application for Letters Patent in the United States of America, such invention being described and identified by said application having an attached International Application Request and/or an attached Declaration and Power of Attorney executed by ASSIGNOR on 1/23/03; and

WHEREAS, Caterpillar Inc., a Delaware corporation having a place of business at Peoria, State of Illinois, United States of America, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said invention and any Letters Patent granted thereon by the United States of America and any foreign country;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNOR;

1. ASSIGNOR hereby sells, assigns, transfers and conveys unto ASSIGNEE the entire right, title and interest in and to said invention, any application therefor, and any Letters Patent granted thereon by the United States of America and any foreign country, including any continuing application, reissue or extension thereof, together with the right to file applications and obtain patents for said invention in any foreign country, and covenant that ASSIGNOR has the full right to do so.

2. At the request and expense of ASSIGNEE, ASSIGNOR agrees to communicate to ASSIGNEE any facts known respecting said invention, to execute all papers necessary to file any application on said invention necessary or desirable to aid ASSIGNEE in obtaining and enforcing proper protection for said invention in the United States of America and any foreign country.

3. ASSIGNOR hereby authorizes and requests the COMMISSIONER OF PATENTS AND TRADEMARKS to issue the United States Letters Patent on said invention, when granted, to Caterpillar Inc.

4. This assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNOR, ASSIGNOR'S heirs and legal representatives.

IN TESTIMONY WHEREOF, ASSIGNOR has executed this instrument.

James R. Weber
JAMES R. WEBER

Jan 23, 2003
Date

IN WITNESS OF the execution hereof by JAMES R. WEBER we have hereunto set our hands.

Carol Rethm 1/23/03
Witness (1) Date

Address: 4414 S. McCormick Rd
Farmington, IL 61531

Erin Fisher 23 JAN 03
Witness (2) Date

Address: 1124 W. Orchard Ln
Peoria, IL 61615