

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mohamed Attawia	09/10/2009
Thomas M. DiMauro	09/23/2009
Hassan Serhan	09/30/2009
Sudhakar Kadiyala	09/08/2009
David Urbahns	08/11/2009
Gregory Collins	08/06/2009
Laura J. Brown	08/13/2009
Jeffrey C. Geesin	08/13/2009

RECEIVING PARTY DATA

Name:	DePuy Spine, Inc.
Street Address:	325 Paramount Drive
City:	Raynham
State/Country:	MASSACHUSETTS
Postal Code:	02767-0350

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12454200

CORRESPONDENCE DATA

Fax Number: (978)341-0136
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 978-341-0036
 Email: kelley.farr@hbsr.com
 Correspondent Name: Deirdre E. Sanders, Esq.
 Address Line 1: 530 Virginia Road, P.O. Box 9133
 Address Line 2: Hamilton, Brook, Smith & Reynolds, P.C.
 Address Line 4: Concord, MASSACHUSETTS 01742

CH \$40.00 12454200

ATTORNEY DOCKET NUMBER:	3518.1019-001
NAME OF SUBMITTER:	Kelley A. Farr
<p>Total Attachments: 18</p> <p>source=35181019001Assignment#page1.tif source=35181019001Assignment#page2.tif source=35181019001Assignment#page3.tif source=35181019001Assignment#page4.tif source=35181019001Assignment#page5.tif source=35181019001Assignment#page6.tif source=35181019001Assignment#page7.tif source=35181019001Assignment#page8.tif source=35181019001Assignment#page9.tif source=35181019001Assignment#page10.tif source=35181019001Assignment#page11.tif source=35181019001Assignment#page12.tif source=35181019001Assignment#page13.tif source=35181019001Assignment#page14.tif source=35181019001Assignment#page15.tif source=35181019001Assignment#page16.tif source=35181019001Assignment#page17.tif source=35181019001Assignment#page18.tif</p>	

JointASSIGNMENT

WHEREAS, we, **Mohamed Attawia, Thomas M. DiMauro, Hassan Serhan, Sudhakar Kadiyala, David Urbahns, Gregory Collins, Laura J. Brown and Jeffrey C. Geesin**, have invented a certain improvement in **Transdiscal Administration of Cycline Compounds** described in an application for Patent,

- the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- is about to be filed in the United States Patent Office as a Provisional Application;
- the specification of which is United States Application No. 12/454,200, filed May 14, 2009;
- the specification of which is a Patent Cooperation Treaty Application, International Application No. [], filed [], which designates the United States of America [and is assigned United States Application No. []];
- which was patented under United States Patent No. [].

WHEREAS, **DePuy Spine, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Ohio**, and having a usual place of business at **325 Paramount Drive, Raynham, Massachusetts 02767-0350** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; we hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: Mohamed Attawia
Mohamed Attawia

State/Commonwealth of New Jersey
County of Monmouth

On this 10 day of September 2009, before me, the undersigned notary public, personally appeared Mohamed Attawia,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public Valerie M. Brooks
Valerie M. Brooks (print name)
My Commission expires 11 / 19 / 12

VALERIE M. BROOKS
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES NOV. 19, 2012

Inventor's Signature: _____

Thomas M. DiMauro

State/Commonwealth

of _____

County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Thomas M. DiMauro,

personally known to me, or

proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public _____

_____ (print name)

My Commission expires ____/____/____

Inventor's Signature: _____

Hassan Serhan

State/Commonwealth

of _____

County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Hassan Serhan,

personally known to me, or

proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public _____

_____ (print name)

My Commission expires ____/____/____

Inventor's Signature: _____

Sudhakar Kadiyala

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Sudhakar Kadiyala,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public _____
 _____ (print name)
 My Commission expires ____ / ____ / ____

Inventor's Signature: _____

David Urbahns

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared David Urbahns,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public _____
 _____ (print name)
 My Commission expires ____ / ____ / ____

Inventor's Signature: _____

Gregory Collins

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Gregory Collins,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public _____

_____ (print name)

My Commission expires ____/____/____

Inventor's Signature: _____

Laura J. Brown

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Laura J. Brown,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public _____

_____ (print name)

My Commission expires ____/____/____

Inventor's Signature: _____

Jeffrey C. Geesin

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Jeffrey C. Geesin,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public _____
_____(print name)

My Commission expires ____/____/____

JointASSIGNMENT

WHEREAS, we, **Mohamed Attawia, Thomas M. DiMauro, Hassan Serhan, Sudhakar Kadiyala, David Urbahns, Gregory Collins, Laura J. Brown and Jeffrey C. Geesin**, have invented a certain improvement in **Transdiscal Administration of Cycline Compounds** described in an application for Patent,

- the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- is about to be filed in the United States Patent Office as a Provisional Application;
- the specification of which is United States Application No. 12/454,200, filed May 14, 2009;
- the specification of which is a Patent Cooperation Treaty Application, International Application No. [], filed [], which designates the United States of America [and is assigned United States Application No. []];
- which was patented under United States Patent No. [].

WHEREAS, **DePuy Spine, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Ohio**, and having a usual place of business at **325 Paramount Drive, Raynham, Massachusetts 02767-0350** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; we hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: _____

Mohamed Attawia

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Mohamed Attawia,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public _____
 _____(print name)
 My Commission expires ____/____/____


Inventor's Signature: Thomas M. DiMauro 9.23.09
Thomas M. DiMauro

State/Commonwealth of Massachusetts
County of Bristol

On this 23 day of September 2009, before me, the undersigned notary public, personally appeared Thomas M. DiMauro,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)  **AMY PELLETIER** Notary Public Amy Pelletier
Commonwealth of Massachusetts (print name)
My Commission Expires January 21, 2011 Amy Pelletier
My Commission expires 1/21/2011


Inventor's Signature: Hassan Serhan 9.30.09
Hassan Serhan

State/Commonwealth of Massachusetts
County of Bristol

On this 30 day of September 2009, before me, the undersigned notary public, personally appeared Hassan Serhan,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)  **AMY PELLETIER** Notary Public Amy Pelletier
Commonwealth of Massachusetts (print name)
My Commission Expires January 21, 2011 Amy Pelletier
My Commission expires 1/21/2011


Inventor's Signature: [Signature]
Sudhakar Kadiyala

State/Commonwealth
of Massachusetts
County of Bristol

On this 8 day of September 2009, before me, the undersigned notary public, personally appeared Sudhakar Kadiyala,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

 AMY PELLETIER
Notary Public
Commonwealth of Massachusetts
My Commission Expires January 21, 2011
Notary Public [Signature]
Amy Pelletier (print name)
My Commission expires 1 / 21 / 2011


Inventor's Signature: [Signature] 8/11/09
David Urbahns

State/Commonwealth
of Massachusetts
County of Bristol

On this 11 day of August 2009, before me, the undersigned notary public, personally appeared David Urbahns,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

 AMY PELLETIER
Notary Public
Commonwealth of Massachusetts
My Commission Expires January 21, 2011
Notary Public [Signature]
Amy Pelletier (print name)
My Commission expires 1 / 21 / 2011

Inventor's Signature: Gregory Collins
Gregory Collins

State/Commonwealth
of MASSACHUSETTS
County of BRISTOL

On this 6th day of AUGUST 2009, before me, the undersigned notary public, personally appeared Gregory Collins,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Patricia Lynn Diugos
Notary Public
My Commission Expires
May 27, 2010

Notary Public Patricia Lynn Diugos
PATRICIA LYNN DIUGOS (print name)
My Commission expires 5/27/2010

Inventor's Signature: _____
Laura J. Brown

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Laura J. Brown,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public _____
_____ (print name)
My Commission expires ____/____/____

Inventor's Signature: _____

Jeffrey C. Geesin

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Jeffrey C. Geesin,

- personally known to me, or
 proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public _____

(print name)

My Commission expires ____ / ____ / ____

JointASSIGNMENT

WHEREAS, we, **Mohamed Attawia, Thomas M. DiMauro, Hassan Serhan, Sudhakar Kadiyala, David Urbahns, Gregory Collins, Laura J. Brown and Jeffrey C. Geesin**, have invented a certain improvement in **Transdiscal Administration of Cycline Compounds** described in an application for Patent,

- the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- is about to be filed in the United States Patent Office as a Provisional Application;
- the specification of which is United States Application No. 12/454,200, filed May 14, 2009;
- the specification of which is a Patent Cooperation Treaty Application, International Application No. [], filed [], which designates the United States of America [and is assigned United States Application No. []];
- which was patented under United States Patent No. [].

WHEREAS, **DePuy Spine, Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Ohio**, and having a usual place of business at **325 Paramount Drive, Raynham, Massachusetts 02767-0350** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; we hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: _____
Mohamed Attawia

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Mohamed Attawia,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public _____
_____(print name)
My Commission expires ____/____/____

Inventor's Signature: _____

Thomas M. DiMauro

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Thomas M. DiMauro,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public _____
 _____(print name)
 My Commission expires ____/____/____

Inventor's Signature: _____

Hassan Serhan

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Hassan Serhan,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public _____
 _____(print name)
 My Commission expires ____/____/____

Inventor's Signature: _____

Sudhakar Kadiyala

State/Commonwealth

of _____

County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Sudhakar Kadiyala,

personally known to me, or

proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public _____

_____ (print name)

My Commission expires ____/____/____

Inventor's Signature: _____

David Urbahns

State/Commonwealth

of _____

County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared David Urbahns,

personally known to me, or

proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public _____

_____ (print name)

My Commission expires ____/____/____

Inventor's Signature: _____

Gregory Collins

State/Commonwealth
of _____
County of _____

On this _____ day of _____ 20____, before me, the undersigned notary public, personally appeared Gregory Collins,

- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public _____

(print name)

My Commission expires ____/____/____

Inventor's Signature: Laura J. Brown

Laura J. Brown

State/Commonwealth
of New Jersey
County of Somerset

On this 13th day of August 2009 before me, the undersigned notary public, personally appeared Laura J. Brown,

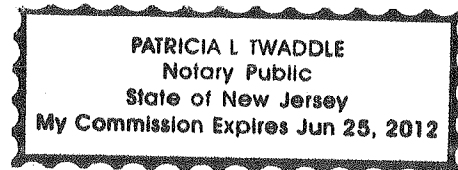
- personally known to me, or
- proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL) Notary Public Patricia L Twaddle

Patricia L Twaddle (print name)

My Commission expires 6/25/2012



Inventor's Signature: _____

Jeffrey C. Geesin
Jeffrey C. Geesin

State/Commonwealth

of New Jersey

County of Samuel

On this 13th day of August 2009, before me, the undersigned notary public, personally appeared Jeffrey C. Geesin,

personally known to me, or

proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public *Patricia L Twaddle*

Patricia L Twaddle (print name)

My Commission expires 6/25/2012

