

12-15-1999

et No.: 1062/143

D/H

FORM PTO-1595 (Modified)  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)  
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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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11/29/99

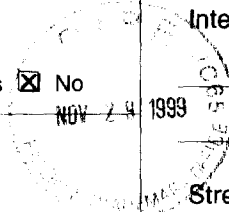
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
**Karen E. Kullas**  
**Glendon E. French**  
**Joan Kinniburgh**  
**Augustus Felix**  
**Philip Tessier**

**Dean L. Kamen**  
**Bradley Miller**  
**Kevin Grant**

2. Name and address of receiving party(ies):  
Name: **DEKA Products Limited Partnership**  
Internal Address: \_\_\_\_\_

Additional names(s) of conveying party(ies)  Yes  No



3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Street Address: **340 Commercial Street**  
City: **Manchester** State: **NH** ZIP: **03101-**

Execution Date: **November 12, 1999** Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

B. Patent No.(s)

**09/362,946**

Additional numbers attached?  Yes  No

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

Name: **Herbert A. Newborn**

Internal Address: **Bromberg & Sunstein LLP**

6. Total number of applications and patents involved: **1**

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

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

Street Address: **125 Summer Street**

8. Deposit account number:

**19-4972**

City: **Boston** State: **MA** ZIP: **02110-**

09362946  
40.00 DP

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 true copy of the original document.

**Herbert A. Newborn**

November 24, 1999

Name of Person Signing

Signature

92

Date

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

000005  
12/15/1998 TTOMR  
01 FC-581

ASSIGNMENT

ASSIGNOR(S): Karen E. Kullas  
Glen French  
Joan Kinniburgh  
Augustus Felix  
Phillip Tessier  
Dean L. Kamen  
Bradley Miller  
Kevin Grant

ASSIGNEE: DEKA Products Limited Partnership  
340 Commercial Street  
Manchester, NH 03101-1108

STATE OF INCORPORATION OF ASSIGNEE: New Hampshire

TITLE: Medical Irrigation Pump and System

ATTORNEY DOCKET: 1062/143

APPLICATION NO.: Not Assigned

FILED: Herewith

Assignor is the sole inventor (if only one inventor is listed above) or a joint inventor (if more than one inventor is listed above) of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of

Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set

forth below.

Date: June 9, 1999

Karen E. Kullas  
Karen E. Kullas, Assignor

STATE OF RHODE ISLAND )  
 ) ss.  
COUNTY OF )

Before me, a notary public in and for said county and state, personally appeared Karen E. Kullas, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Don A. Succoco  
Notary Public ID # 43079  
My Commission Expires: 4/15/2002

(seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
Glen French, Assignor

STATE OF RHODE ISLAND )  
 ) ss.  
COUNTY OF )

Before me, a notary public in and for said county and state, personally appeared Glen French, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

(seal)

Date: 11/12/99

Joan Kinniburgh  
Joan Kinniburgh, Assignor

STATE OF RHODE ISLAND )  
 ) ss.  
COUNTY OF )

Before me, a notary public in and for said county and state, personally appeared Joan Kinniburgh, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

(seal)

Date: 6/9/99

Augustus Felix  
Augustus Felix, Assignor

STATE OF RHODE ISLAND )  
 ) ss.  
COUNTY OF )

Before me, a notary public in and for said county and state, personally appeared Augustus Felix, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Don A. Saccoccio  
Notary Public ID# 43074  
My Commission Expires: 4/15/2002

(seal)

Date: 6/22/99

Philip A. Tessier  
Philip Tessier, Assignor  
R. 6/22/99

STATE OF RHODE ISLAND )  
 ) ss.  
COUNTY OF )

Before me, a notary public in and for said county and state, personally appeared Phillip Tessier, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Doris G. Saccoccia  
Notary Public ID# 43074  
My Commission Expires: 4/15/2002

(seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
Dean L. Kamen, Assignor

STATE OF NEW HAMPSHIRE )  
 ) ss.  
COUNTY OF )

Before me, a notary public in and for said county and state, personally appeared Dean L. Kamen, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

(seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
Bradley Miller, Assignor

STATE OF NEW HAMPSHIRE    )  
  ) ss.  
COUNTY OF                            )

Before me, a notary public in and for said county and state, personally appeared Bradley Miller, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

(seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
Kevin Grant, Assignor

STATE OF NEW HAMPSHIRE    )  
  ) ss.  
COUNTY OF                            )

Before me, a notary public in and for said county and state, personally appeared Kevin Grant, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

(seal)

78522

ASSIGNMENT

ASSIGNOR(S): Karen E. Kullas  
Glen French  
Joan Kinniburgh  
Augustus Felix  
Phillip Tessier  
Dean L. Kamen  
Bradley Miller  
Kevin Grant

ASSIGNEE: DEKA Products Limited Partnership  
340 Commercial Street  
Manchester, NH 03101-1108

STATE OF INCORPORATION OF ASSIGNEE: New Hampshire

TITLE: Medical Irrigation Pump and System

ATTORNEY DOCKET: 1062/143

APPLICATION NO.: Not Assigned

FILED: Herewith

Assignor is the sole inventor (if only one inventor is listed above) or a joint inventor (if more than one inventor is listed above) of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of

**PATENT**

**REEL: 010432 FRAME: 0476**



Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: June 9, 1999

Karen E. Kullas  
Karen E. Kullas, Assignor

STATE OF RHODE ISLAND )  
 ) ss.  
COUNTY OF )

Before me, a notary public in and for said county and state, personally appeared Karen E. Kullas, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Dino A. Succiano  
Notary Public JD # 43079  
My Commission Expires: 4/15/2002

(seal)

Date: 7/7/99

Glen French  
Glen French, Assignor

STATE OF RHODE ISLAND )  
 ) ss.  
COUNTY OF )

Before me, a notary public in and for said county and state, personally appeared Glen French, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

(seal) California All-Purpose Acknowledgement  
Attached

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of San Mateo

On July 7, 1999 before me, Margaret A. Nye, Notary Public  
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Glendon E. French  
Name(s) of Signer(s)

- personally known to me
- proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Margaret A. Nye  
Signature of Notary Public

**OPTIONAL**

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

**Description of Attached Document**

Title or Type of Document: Assignment (re: AHY. Docket 1062/143)

Document Date: 7/7/99 Number of Pages: 2

Signer(s) Other Than Named Above: K. Kullas, J. Kinniburgh, A. Felix, P. Tessier, D. Kamen, B. Miller, K. Grant

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: Glendon E. French

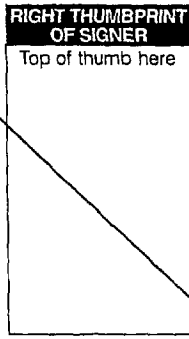
- Individual
- Corporate Officer  
Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing:  
Himself

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer  
Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing:  
\_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_

Joan Kinniburgh, Assignor

STATE OF RHODE ISLAND )  
 ) ss.  
COUNTY OF )

Before me, a notary public in and for said county and state, personally appeared Joan Kinniburgh, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

(seal)

Date: 6/9/99

Augustus Felix  
Augustus Felix, Assignor

STATE OF RHODE ISLAND )  
 ) ss.  
COUNTY OF )

Before me, a notary public in and for said county and state, personally appeared Augustus Felix, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Don A. Succow  
Notary Public ID# 43079  
My Commission Expires: 4/15/2002

(seal)

Date: 6/22/99

Phillip A. Tessier  
Phillip Tessier, Assignor  
P. 6/22/99

STATE OF RHODE ISLAND )  
 ) ss.  
COUNTY OF )

Before me, a notary public in and for said county and state, personally appeared Phillip Tessier, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Doris A. Saccoccia  
Notary Public ID# 43079  
My Commission Expires: 4/15/2002

(seal)

Date: \_\_\_\_\_  
Dean L. Kamen, Assignor

STATE OF NEW HAMPSHIRE )  
 ) ss.  
COUNTY OF )

Before me, a notary public in and for said county and state, personally appeared Dean L. Kamen, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

(seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
Bradley Miller, Assignor

STATE OF NEW HAMPSHIRE    )  
  ) ss.  
COUNTY OF                            )

Before me, a notary public in and for said county and state, personally appeared Bradley Miller, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

(seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
Kevin Grant, Assignor

STATE OF NEW HAMPSHIRE    )  
  ) ss.  
COUNTY OF                            )

Before me, a notary public in and for said county and state, personally appeared Kevin Grant, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

(seal)

78522

ASSIGNMENT

ASSIGNOR(S): Karen E. Kullas  
Glen French  
Joan Kinniburgh  
Augustus Felix  
Phillip Tessier  
Dean L. Kamen  
Bradley Miller  
Kevin Grant

ASSIGNEE: DEKA Products Limited Partnership  
340 Commercial Street  
Manchester, NH 03101-1108

STATE OF INCORPORATION OF ASSIGNEE: New Hampshire

TITLE: Medical Irrigation Pump and System

ATTORNEY DOCKET: 1062/143

APPLICATION NO.: Not Assigned

FILED: Herewith

Assignor is the sole inventor (if only one inventor is listed above) or a joint inventor (if more than one inventor is listed above) of the above invention (the "Invention" described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of

Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.



IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: June 9, 1999

Karen E. Kullas  
Karen E. Kullas, Assignor

STATE OF RHODE ISLAND )  
  ) ss.  
COUNTY OF                            )

Before me, a notary public in and for said county and state, personally appeared Karen E. Kullas, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Dina A. Succione  
Notary Public ID # 43079  
My Commission Expires: 4/13/2002

(seal)

Date: \_\_\_\_\_

\_\_\_\_\_  
Glen French, Assignor

STATE OF RHODE ISLAND )  
  ) ss.  
COUNTY OF                            )

Before me, a notary public in and for said county and state, personally appeared Glen French, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

(seal)

Date: \_\_\_\_\_

Joan Kinniburgh, Assignor

STATE OF RHODE ISLAND )  
 ) ss.  
COUNTY OF )

Before me, a notary public in and for said county and state, personally appeared Joan Kinniburgh, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

\_\_\_\_\_  
Notary Public  
My Commission Expires:

(seal)

Date: 6/9/99

Augustus Felix  
Augustus Felix, Assignor

STATE OF RHODE ISLAND )  
 ) ss.  
COUNTY OF )

Before me, a notary public in and for said county and state, personally appeared Augustus Felix, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Don G. Successors  
Notary Public ID# 4379  
My Commission Expires: 4/15/2002

(seal)

Date: 6/23/99

Phillip A. Tessier  
Phillip Tessier, Assignor  
Rt. 6/23/99

STATE OF RHODE ISLAND )  
 ) ss.  
COUNTY OF )

Before me, a notary public in and for said county and state, personally appeared Phillip Tessier, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Denis G. Saccoccia  
Notary Public ID# 43079  
My Commission Expires: 4/15/2002

(seal)

Date: July 2, 1999

Dean L. Kamen  
Dean L. Kamen, Assignor

STATE OF NEW HAMPSHIRE )  
 ) ss.  
COUNTY OF Hunstborough )

Before me, a notary public in and for said county and state, personally appeared Dean L. Kamen, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.

Sandra Lemie  
Notary Public  
My Commission Expires:

(seal)

Date: 7/13/99

Bradley Miller  
Bradley Miller, Assignor

STATE OF NEW HAMPSHIRE )  
  ) ss.  
COUNTY OF Hillsborough )

Before me, a notary public in and for said county and state, personally appeared Bradley Miller, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature

Christine M. Cristadore  
Notary Public  
My Commission Expires: Sept. 20, 2000

(seal)

Date: 7/14/99

Kevin Grant  
Kevin Grant, Assignor

STATE OF NEW HAMPSHIRE )  
  ) ss.  
COUNTY OF HILLSBOROUGH )

Before me, a notary public in and for said county and state, personally appeared Kevin Grant, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature

Joyce E. Benson  
Notary Public  
My Commission Expires:

JOYCE E. BENSON, Notary Public  
My Commission Expires December 14, 1999

(seal)

78522