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

1. Name of conveying party(ies):

Grant A. McNaughton-Smith
George S. Amato
Paul C. Fritch

3-4-03

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other: _____

Execution Dates: February 4, 2003, February 4, 2003, and February 5, 2003, respectively

2. Name and address of receiving party(ies)

Name: ICAgen, Inc.
Street Address: 4222 Emperor Boulevard, Suite 460
City: Durham State: NC ZIP: 27703

Additional name(s) and 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: _____

A. Patent Application No(s): 10/305,706

B. Patent No(s): _____

Additional numbers attached? Yes No

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

Name: Jeffry S. Mann, Ph.D.
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(415) 576-0200

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: 20-1430

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

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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.

Jeffry S. Mann, Ph.D.
Name of Person Signing
Atty. Reg. No. 42,837

February 27, 2003
Date

Total number of pages including cover sheet, attachments and document 4

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

03/05/2003 TDIAZ1 00000107 201430 10305706

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PATENT
REEL: 013802 FRAME: 0893

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Grant A. McNaughton-Smith of 143 Walton's Creek Road, Morrisville, NC 27560; George S. Amato of 101 Ashley Drive, Cary, NC 27512; Paul C. Fritch of 2827 Grande Valley Circle, Cary, NC 27513 hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: PYRIMIDINES AS NOVEL OPENERS OF
POTASSIUM ION CHANNELS

Date(s) of execution of Declaration: 2/04/03, 2/04/03, and 2/05/03,
respectively

Filing Date: November 27, 2002

Application No.: 10/305,706; and

WHEREAS, ICAgen, Inc., a corporation of the state of Delaware, located at 4222 Emperor Boulevard, Suite 460, Durham, NC, 27703, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 2/4/2003

Grant A. McNaughton-Smith
Grant A. McNaughton-Smith

STATE OF NORTH CAROLINA)
) ss.
COUNTY OF DURHAM)

On FEBRUARY 4, 2003, before me, GRANT McNAUGHTON-SMITH, personally appeared Grant A. McNaughton-Smith, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Robert J. Jakobs
NOTARY PUBLIC

ROBERT J. JAKOBS
NOTARY PUBLIC
WAKE COUNTY, N.C.
My Commission Expires 3-18-2004

My Commission Expires: 3/18/2004

Dated: 2-4-03

George S. Amato
George S. Amato

STATE OF NORTH CAROLINA)
) ss.
COUNTY OF DURHAM)

On FEBRUARY 4, 2003, before me, GEORGE AMATO, personally appeared George S. Amato, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Robert J. Jakobs
NOTARY PUBLIC

ROBERT J. JAKOBS
NOTARY PUBLIC
WAKE COUNTY, N.C.
My Commission Expires 3-18-2004

My Commission Expires: 3/18/2004

Dated: 2/5/03

Paul C. Fritch
Paul C. Fritch

STATE OF NORTH CAROLINA)
) ss.
COUNTY OF DURHAM)

On FEBRUARY 5, 2003, before me, PAUL FRITCH,
personally appeared Paul C. Fritch, personally known to me (or proved to me on the basis of satisfactory
evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me
that he/she executed the same in his/her authorized capacity, and that by his/her signature on the
instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Robert J. Jakobs
NOTARY PUBLIC

My Commission Expires: 3/18/2004

ROBERT J. JAKOBS
NOTARY PUBLIC
WAKE COUNTY, N.C.
My Commission Expires 3-18-2004