

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Grant McNaughton-Smith</td> <td>06/06/2001</td> </tr> <tr> <td>Paul Christopher Fritch</td> <td>06/06/2001</td> </tr> <tr> <td>George Salvatore Amato</td> <td>06/06/2001</td> </tr> </tbody> </table>		Name	Execution Date	Grant McNaughton-Smith	06/06/2001	Paul Christopher Fritch	06/06/2001	George Salvatore Amato	06/06/2001
Name	Execution Date								
Grant McNaughton-Smith	06/06/2001								
Paul Christopher Fritch	06/06/2001								
George Salvatore Amato	06/06/2001								
<b>RECEIVING PARTY DATA</b>									
Name:	lcagen, Inc.								
Street Address:	4222 Emperor Boulevard, Suite 460								
City:	Durham								
State/Country:	NORTH CAROLINA								
Postal Code:	27703								
<b>PROPERTY NUMBERS Total: 3</b>									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>6605725</td> </tr> <tr> <td>Patent Number:</td> <td>6737422</td> </tr> <tr> <td>Patent Number:</td> <td>6989398</td> </tr> </tbody> </table>		Property Type	Number	Patent Number:	6605725	Patent Number:	6737422	Patent Number:	6989398
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Patent Number:	6605725								
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Patent Number:	6989398								
<b>CORRESPONDENCE DATA</b>									
Fax Number:	(415)442-1001								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	4154421472								
Email:	ddebello@morganlewis.com								
Correspondent Name:	Debra A. DeBello								
Address Line 1:	One Market, Spear Street Tower								
Address Line 4:	San Francisco, CALIFORNIA 94105								
ATTORNEY DOCKET NUMBER:	008082-5023US01 US02 US03								
NAME OF SUBMITTER:	Debra A. DeBello								
Total Attachments: 3 source=008082_5023_US01_Assignment_from_Parent#page1.tif source=008082_5023_US01_Assignment_from_Parent#page2.tif source=008082_5023_US01_Assignment_from_Parent#page3.tif									

CH \$120.00 6605725

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, Grant McNaughton-Smith, of 2215-H Duck Pond Circle, Morrisville, NC 27560; Paul Christopher Fritch, of 5708-31 Windlestraw Drive, Durham, NC 27713; George Salvatore Amato, of 101 Ashley Drive, 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: PYRIDINE-SUBSTITUTED BENZANILIDES AS  
POTASSIUM ION CHANNEL OPENERS

Date(s) of execution of Declaration: June 6, 2001, respectively

Filing Date: February 2, 2001

Application No.: 09/776,791; 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, 8<sup>th</sup> 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: 6/6/01

Grant McNaughton-Smith  
Grant McNaughton-Smith

STATE OF NORTH CAROLINA )  
                                          )  
COUNTY OF                            )

ss.

On JUNE 6, 2001, before me, GRANT MCNAUGHTON-SMITH, personally appeared Grant 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  
WAKE COUNTY, N.C.  
My Commission Expires 3-18-2004

Robert J. Jacobs  
NOTARY PUBLIC

My Commission Expires: 3/18/2004

Dated: 6/6/2001

Paul Christopher Fritch  
Paul Christopher Fritch

STATE OF NORTH CAROLINA )  
                                          )  
COUNTY OF                            )

ss.

On JUNE 6, 2001, before me, PAUL FRITCH, personally appeared Paul Christopher 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  
WAKE COUNTY, N.C.  
My Commission Expires 3-18-2004

Robert J. Jacobs  
NOTARY PUBLIC

My Commission Expires: 3/18/2004

Dated: 6/6/2001

George Salvatore Amato  
George Salvatore Amato

STATE OF NORTH CAROLINA     )  
                                                  )  
COUNTY OF                             )

ss.

On JUNE 6, 2001, before me, GEORGE AMATO,  
personally appeared George Salvatore 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  
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