| Form PTO-1595 (Rev. 09/04)<br>OMB No. 0651-0027 (exp. 6/30/2005)                                                 | 27 - 2005  U.S. DEPARTMENT OF COMMERC  United States Patent and Trademark Office |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|                                                                                                                  |                                                                                  |
| To the Director of the U.S. Patent and Traceman Office.                                                          | 3050407 riease record the attached documents or the new address(es) below.       |
| 1. Name of conveying party(ies)/Execution Date                                                                   | e(s): 2. Name and address of receiving party(ies)                                |
| Stephen Bryant Liggett                                                                                           | Name: University of Cincinnati                                                   |
| Lynne Elizabeth Wagoner                                                                                          | Internal Address:                                                                |
| Everytion Data(s) Income 24, 2005 and Income 25, 2005                                                            |                                                                                  |
| Execution Date(s) January 24, 2005 and January 25, 2005 Additional name(s) of conveying party(ies) attached? Yes |                                                                                  |
| 3. Nature of conveyance:                                                                                         | P.O. Box 670829                                                                  |
| Assignment Merger                                                                                                | City: Cincinnati                                                                 |
| Security Agreement Change of Nan                                                                                 | me State: OH                                                                     |
| Government Interest Assignment                                                                                   |                                                                                  |
| Executive Order 9424, Confirmatory License                                                                       | Country: United States Zip: 45267-0829                                           |
| Other                                                                                                            | Additional name(s) & address(es) attached? ☐ Yes ✓ No                            |
| 4. Application or patent number(s):                                                                              | This document is being filed together with a Rew application.                    |
| A. Patent Application No.(s)                                                                                     | B. Patent No.(s)                                                                 |
| 60/502,837<br>10/941,063                                                                                         | B. Patent No.(s)                                                                 |
| Additional number                                                                                                | ers attached? Yes No                                                             |
| 5. Name and address to whom correspondence concerning document should be mailed:                                 |                                                                                  |
| Name: Stephen R. Albainy-Jenei                                                                                   |                                                                                  |
|                                                                                                                  | 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 80                                       |
| Internal Address: FROST BROWN TODD LLC                                                                           | Authorized to be charged by credit card                                          |
|                                                                                                                  | Authorized to be charged to deposit account                                      |
| Street Address: 2200 PNC Center                                                                                  | Enclosed None required (government interest not affecting title)                 |
| 201 East Fifth Street                                                                                            |                                                                                  |
| City: Cincinnati                                                                                                 | 8. Payment Information                                                           |
| State: OH Zip: 45202                                                                                             | a. Credit Card Last 4 Numbers 9553  Expiration Date 5-07                         |
| Phone Number: (513) 651-6839                                                                                     |                                                                                  |
| Fax Number: (513) 651-6981                                                                                       | b. Deposit Account Number                                                        |
| Email Address: salbainyjenei@fbtlaw.com                                                                          | Authorized User Name                                                             |
| 9. Signature:                                                                                                    | 7/22/05                                                                          |
| Signature                                                                                                        | Date                                                                             |
| Stephen R. Albainy-Jenei, Reg. No. 41,487                                                                        | Total number of pages including cover sheet, attachments, and documents:         |
| Name of Person Signing                                                                                           | sneet, attachments, and documents.                                               |

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450
00000103 60502837

07/26/2005 GTDN11 000 01 FC:8021

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PATENT REEL: 016799 FRAME: 0259

| T PEO 1505 (D 00/04)                                                             | 0 - 2005<br>U.S. DEPARTMENT OF COMME                                        |  |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--|
| OMB No. 0651-0027 (exp. 6/30/2005)                                               | United States Patent and Trademark C                                        |  |
| RE 10293                                                                         | 36543                                                                       |  |
| PAICIVIO ONE                                                                     |                                                                             |  |
|                                                                                  | ase record the attached documents or the new address(es) below.             |  |
| 1. Name of conveying party(ies)/Execution Date(s)                                | Name and address of receiving party(ies)     Name: University of Cincinnati |  |
| Stephen Bryant Liggett<br>Lynne Elizabeth Wagoner                                | Internal Address:                                                           |  |
|                                                                                  | Internal Address.                                                           |  |
| Execution Date(s) January 24, 2005 and January 25, 2005                          |                                                                             |  |
| Additional name(s) of conveying party(ies) attached? Yes V                       | Street Address: 3223 Eden Avenue                                            |  |
| 3. Nature of conveyance:                                                         | P.O. Box 670829                                                             |  |
| Assignment Merger                                                                | City: Cincinnati                                                            |  |
| Security Agreement Change of Name                                                | State: OH                                                                   |  |
| Government Interest Assignment                                                   |                                                                             |  |
| Executive Order 9424, Confirmatory License                                       | Country: United States Zip: 45267-0829                                      |  |
| Other                                                                            | Additional name(s) & address(es) attached? Yes                              |  |
|                                                                                  | s document is being filed together with a new application                   |  |
| A. Patent Application No.(s) 60/502,837                                          | B. Patent No.(s)                                                            |  |
| 10/941,063                                                                       | JPR.                                                                        |  |
|                                                                                  | OPR FB                                                                      |  |
| Additional numbers a                                                             | attached? Yes No                                                            |  |
| 5. Name and address to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved:                       |  |
| Name: Stephen R. Albainy-Jenei                                                   | 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40                                  |  |
| Internal Address: FROST BROWN TODD LLC                                           | Authorized to be charged by credit card                                     |  |
|                                                                                  | Authorized to be charged to deposit account                                 |  |
| Street Address: 2200 PNC Center                                                  | Enclosed                                                                    |  |
| 201 East Fifth Street                                                            | None required (government interest not affecting ti                         |  |
| City: Cincinnati                                                                 | 8. Payment Information                                                      |  |
| State: OH         Zip: 45202                                                     | a. Credit Card Last 4 Numbers 9553 Expiration Date 5-07                     |  |
| Phone Number: (513) 651-6839                                                     |                                                                             |  |
| Fax Number: (513) 651-6981                                                       | b. Deposit Account Number                                                   |  |
| Email Address: salbainyjenei@fbtlaw.com                                          | Authorized User Name                                                        |  |
| 9. Signature:                                                                    | 19W d-31-05                                                                 |  |
| Signature                                                                        | Date                                                                        |  |
| Stephen R. Albainy-Jenei, Reg. No. 41,487  Name of Person Signing                | Total number of pages including cover sheet, attachments, and documents:    |  |
| Documents to be recorded (including cover she                                    | eet) should be faxed to (703) 306-5995, or mailed to:                       |  |
|                                                                                  | of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450                     |  |
| 5 JJALLAH2 00000002 60502837                                                     |                                                                             |  |
| EC:8021/ 40.00 OF                                                                |                                                                             |  |
| (                                                                                | PATENT                                                                      |  |

REEL: 016799 FRAME: 0260

## **ASSIGNMENT**

WHEREAS, WE, Stephen Bryant Liggett, a citizen of the United States, residing at 9180 Village Green Drive, Cincinnati, Ohio 45242, County of Hamilton, and State of Ohio, and Lynne Elizabeth Wagoner, a citizen of the United States, residing at 3003 Observatory Avenue, Cincinnati, Ohio 45208, County of Hamilton, and State of Ohio, (hereinafter referred to as "ASSIGNORS"), have invented a METHODS FOR DIAGNOSIS, PREDICTION AND TREATMENT OF HEART FAILURE AND OTHER CARDIAC CONDITIONS BASED ON BETA 1-ADRENERGIC RECEPTOR POLYMORPHISM, for which we have executed an application for Letters Patent of the United States, of even date herewith, and

WHEREAS, University of Cincinnati, a corporation duly organized and existing under the laws of the State of Ohio, (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire interest therein:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, WE, the said ASSIGNORS, hereby sell, assign, and transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals, and continuations thereof, and all patents of the United States which may be granted thereon and all reissues, reexaminations and extensions thereof; and all Patents of the United States which may be granted thereon and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models and designs, which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals, reexaminations and reissues thereof;

ASSIGNORS HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

ASSIGNORS HEREBY grant the firm of Frost Brown Todd LLC the power to insert in this Assignment any further identification or information which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

ASSIGNORS HEREBY covenant and agree that they have full right to convey the entire interest herein assigned, and that they have not executed, and will not execute, any agreement in conflict herewith.

PATENT RECORDED: 02/03/2005 REEL: 016799 FRAME: 0261