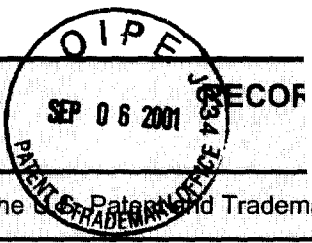


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FORM PTO-1595 (Substitute)



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U.S. DEPARTMENT OF COMMERCE  
U.S. Patent Office

To the Director of the U.S. Patent and Trademark Office, please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): <u>09/06/01</u> Garth S. JONES and Edwin K. JACKSON Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): Name: <u>University of Pittsburgh</u> Address: <u>200 Gardner Steel Conference Center</u> <u>Thackeray and O'Hara Streets</u> City: <u>Pittsburgh</u> State: <u>PA</u> Zip: <u>15260</u> Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>August 30, 2001 and July 28, 2001</u> <u>respectively</u></p>	

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). <u>09/828,276</u>	B. Patent No(s). _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Frederick H. Colen</u> <u>REED SMITH LLP</u> Address: <u>P.O. Box 488</u> City: <u>Pittsburgh</u> State: <u>PA</u> Zip: <u>15230</u></p>	<p>6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41): <u>\$ 40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Charge any deficiency to deposit account 8. Deposit account number: <u>18-0582</u> (Attach duplicate copy of this page if paying by deposit account)</p>
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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 and correct copy of the original document.

<u>Robert D. Kucler</u> Name of Person Signing	 Signature	<u>September 4, 2001</u> Date
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September 4, 2001 1:38 PM

PATENT  
REEL: 012151 FRAME: 0091

Atty. Docket No. [Nnum]

## ASSIGNMENT

WHEREAS, We, Garth S. Jones and Edwin K. Jackson, citizens of the United States of America, whose post office addresses are 5248 Beeler Street, Pittsburgh, PA 15217 and 5244 Beeler Street, Pittsburgh, PA 15217, respectively, have invented and own a certain invention entitled

### **ADENOSINE CYCLIC KETALS: NOVEL ADENOSINE ANALOGUES FOR CARDIOVASCULAR PHARMACOTHERAPY**

for which an application for Letters Patent of the United States was filed on April 6, 2001 and assigned Serial No. 09/828,276; and

WHEREAS, the University of Pittsburgh, a university organized and existing under the laws of the Commonwealth of Pennsylvania and having a place of business at 200 Gardner Steel Conference Center, Thackeray and O'Hara Streets, Pittsburgh, PA 15260 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that in consideration of the payment by ASSIGNEE to us of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, we hereby sell, assign and transfer to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by any application or any continuation, divisional, renewal, substitute or reissue



\_\_\_\_\_  
Edwin K. Jackson

STATE OF                    )  
                              ) ss.  
COUNTY OF                )

BE IT KNOWN, that on this \_\_\_\_ day of \_\_\_\_\_,  
\_\_\_\_, before me personally came Edwin K. Jackson, to me known to be the person  
mentioned in and who executed the foregoing assignment, and he acknowledged to  
me that he executed the same as his free act and deed for the use and purposes  
therein mentioned.

\_\_\_\_\_  
Notary Public

Atty. Docket No. [Nnum]

**ASSIGNMENT**

WHEREAS, We, Garth S. Jones and Edwin K. Jackson, citizens of the United States of America, whose post office addresses are 5248 Beeler Street, Pittsburgh, PA 15217 and 5244 Beeler Street, Pittsburgh, PA 15217, respectively, have invented and own a certain invention entitled

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thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

WE HEREBY COVENANT that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale; and

WE FURTHER COVENANT that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to us and we will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Garth S. Jones

STATE OF )  
COUNTY OF ) ss.  
COUNTY OF )

BE IT KNOWN, that on this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came Garth S. Jones, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

\_\_\_\_\_  
Notary Public

Edwin K. Jackson  
Edwin K. Jackson

07/28/01  
DATE

STATE OF

)

) ss.

COUNTY OF

)

BE IT KNOWN, that on this \_\_\_\_ day of \_\_\_\_\_,  
\_\_\_\_, before me personally came Edwin K. Jackson, to me known to be the person  
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me that he executed the same as his free act and deed for the use and purposes  
therein mentioned.

\_\_\_\_\_  
Notary Public