

**PATENT ASSIGNMENT**

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| SUBMISSION TYPE:   | NEW ASSIGNMENT                  |
| NATURE OF CONVEYANCE:  | ASSIGNMENT                      |
| CONVEYING PARTY DATA   |                                 |
| Name   | Execution Date                  |
| P.K. Andy Hong   | 11/04/2002                      |
| Jiun-Chi Chao  | 10/23/2002                      |
| RECEIVING PARTY DATA   |                                 |
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| PROPERTY NUMBERS Total: 1  |                                 |
| Property Type  | Number                          |
| Application Number:  | 10129354                        |
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| ATTORNEY DOCKET NUMBER:  | 00846-U2813 U OF U              |
| NAME OF SUBMITTER:   | M. Wayne Western                |

OP \$40.00 10129354

Total Attachments: 4  
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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
International Patent Application under the PCT

Filing Date..... 06 November 2000  
Application No. .... PCT/US00/30599  
Applicant(s)..... UNIVERSITY OF UTAH RESEARCH FOUNDATION  
                  HONG, Andy, P. K., WAVREK, David A., CHAO, Jiun-Chi, ZENG, Yu  
Attorney's Docket Number ..... U2830WO  
Title..... "OZONE DEGRADATION OF  
                  POLYCYCLIC AROMATIC HYDROCARBONS"

**PATENT ASSIGNMENT**

**PARTIES TO THE ASSIGNMENT:**

**ASSIGNORS:**

HONG, P. K. Andy  
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ZENG, Yu  
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Foothill Ranch, California 92610  
United States of America  
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CHAO, Jiun-Chi  
1211 University Village  
Salt Lake City, Utah 84108  
United States of America  
(Citizen of the Republic of China - Taiwan)

**ASSIGNEE:**

UNIVERSITY OF UTAH  
Technology Transfer Office  
615 Arapeen Drive, Suite 110  
Salt Lake City, Utah 84108  
United States of America  
(Corporation of the State of Utah)

**BACKGROUND OF THIS ASSIGNMENT:**

ASSIGNORS as coinventors and WAVREK, David A. as coinventor have conceived certain new and useful inventions disclosed in an International Patent Application filed under the Patent Cooperation Treaty, titled, "OZONE DEGRADATION OF POLYCYCLIC AROMATIC HYDROCARBONS," filed 6 November 2000, Application No.

PCT/US00/30599, Attorney Docket Number U2830WO. As coinventors, ASSIGNORS have a three-quarter interest in the inventions.

ASSIGNEE desires to acquire the right, title and interest in said inventions of ASSIGNORS with respect to any Letters Patent that may be granted with respect to the inventions in both the United States and in all foreign countries. The one-quarter right, title and interest of inventor and applicant, WAVREK, David A., shall be unaffected by this assignment.

**THE PARTIES AGREE AS FOLLOWS:**

In consideration of the sum of \$1.00 and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS do hereby sell, assign and transfer to ASSIGNEE their right, title and interest in the above-identified application and to any reissues, divisions or continuations thereof, and hereby authorizes all appropriate patent authorities to issue letters of patent to ASSIGNEE for the use of ASSIGNEE, its successors or assigns.

ASSIGNORS further agree to execute, at the request and expense of ASSIGNEE such other formal documents as may be required to fully convey the interest transferred herein and will similarly execute any application papers required for the filing of any division, continuation or reissue of the patent application or resulting letters of patent; and will generally do everything necessary or desirable to obtain and enforce proper protection for the invention assigned hereby.

ASSIGNORS further assign to ASSIGNEE their right, title and interest in the invention disclosed in the application in the United States and throughout all countries foreign to the United States. ASSIGNEE is hereby authorized to apply for patents relating to the inventions

in its own name in countries where such procedure is proper; to claim the benefit of the International Convention; to file and prosecute International Applications relating to the inventions under the Patent Cooperation Treaty; and to file and prosecute applications relating to the inventions under the European Patent Convention. ASSIGNORS agree to execute applications relating to the inventions in those countries and under those conventions where it is necessary that the same be executed by the ASSIGNORS, and to execute assignments of such applications and the resulting Letters Patent to ASSIGNEE as well as all other necessary papers in relation to such applications and Letters Patent.

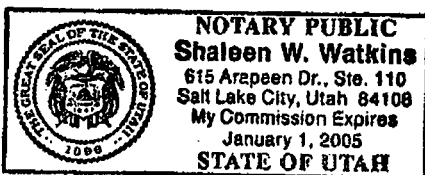
Signature: *P. K. Andy Hong* Date: 11-4-02  
P. K. Andy Hong

STATE OF UTAH )  
 ) :ss  
COUNTY OF SALT LAKE )

On 11-4, 200<sup>2</sup> before me, a Notary Public, personally appeared P. K. Andy Hong who is known to me to be the person described in the foregoing assignment, who executed it and acknowledged such execution to be voluntary and for the purposes set forth therein.

*Shaleen Watkins*  
Notary Public for the State of UT  
residing at  
SLLC, UT

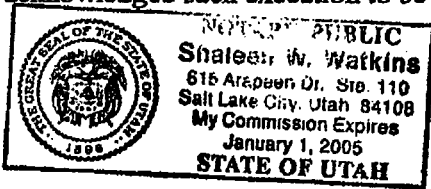
SEAL



Signature: Jun-Chi Chao Date: 10-23-02  
Jun-Chi Chao

STATE OF UTAH )  
 ) :SS  
COUNTY OF SALT LAKE )

On 10-23 <sup>02</sup> 2000 before me, a Notary Public, personally appeared Jun-Chi Chao who is known to me to be the person described in the foregoing assignment, who executed it and acknowledged such execution to be voluntary and for the purposes set forth therein.



Shaesha Watkins  
Notary Public for the State of UT  
residing at  
SLC, UT

SEAL

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Yu Zeng

STATE OF )  
 ) :SS  
COUNTY OF )

On \_\_\_\_\_, 2000 before me, a Notary Public, personally appeared Yu Zeng who is known to me to be the person described in the foregoing assignment, who executed it and acknowledged such execution to be voluntary and for the purposes set forth therein.

\_\_\_\_\_  
Notary Public for the State of \_\_\_\_\_  
residing at  
\_\_\_\_\_

SEAL