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To the Honorable Commissioner

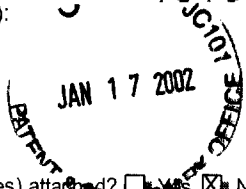
ed original documents or copy thereof.

1. Name of conveying party(ies):

DENNIS P. CURRAN

QISHENG ZHANG

101968657



2. Name and address of receiving party(ies)

Name: UNIVERSITY OF PITTSBURGH

Internal Address:

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

3. Nature of conveyance:

- Assignment Merger
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- Other

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Execution Date: JANUARY 4, 2002

Additional name(s) & 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)
09/952,188

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: HENRY E. BARTONY, JR.

Internal Address:

Street Address: SUITE 1801, LAW & FINANCE BLDG

429 FOURTH AVENUE

City: PITTSBURGH State: PA Zip: 15219

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:

02-1065

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

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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.

Henry E. Bartony, Jr.

Name of Person Signing

Henry E. Bartony, Jr.
Signature

JANUARY 17, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 4

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ASSIGNMENT OF INVENTION

In consideration of the rights and obligations of the ASSIGNOR(S) under the University of Pittsburgh Patent Policy and Procedure and of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR(S) :

**Inventor(s) or
 person(s) or
 entity(ies) who own the
 invention**

1. Dennis P. Curran
 (TYPE OR PRINT NAME(S) OF ASSIGNOR(S))
105 S. Linden Avenue
 ADDRESS
Pittsburgh, Pennsylvania 15208, USA
USA
 NATIONALITY

2. Qisheng Zhang
 (TYPE OR PRINT NAME(S) OF ASSIGNOR(S))
5700 Fifth Avenue, APT. A-24
 ADDRESS
Pittsburgh, Pennsylvania 15232 USA
China
 NATIONALITY

hereby sell, assigns and transfer to

ASSIGNEE :

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USA
 Nationality

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 and in all foreign countries, including all rights to claim priority,

in and to any and all inventions, developments and improvements (collectively, the "Inventions") which are disclosed in the invention entitled:

FLUOROUS PHOSPHINES AND PHOSPHINE OXIDESName of inventor(s) Dennis P. Curran and Qisheng Zhang

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in

(a) U.S. patent application executed on even date herewith
Express Mail Label No. _____(b) U.S. patent application executed on _____(c) U.S. provisional application naming the above inventor(s) for the
above-entitled invention. Express mail label no.: _____
Mailed: _____ To comply with 37 CFR 3.21 for recordal of this assignment, I, an
ASSIGNOR signing below, hereby authorize and request my attorney to
insert below the filing date and application number when they become
known.(d) U.S. application no. 09/952,188
filed on September 14, 2001 Express mail label no.: _____(e) International application no. PCT/ _____ / _____(f) U.S. patent no. _____ issued _____ A change of address to which correspondence is to be sent
regarding patent maintenance fees is being sent separately.

(also check (g), if foreign application(s) is also being assigned)

(g) and any legal equivalent thereof in a foreign country, including
the right to claim priorityand, in and to, all Letters Patent to be obtained for the Inventions by the
above application or any continuation, division, renewal, or substitute thereof,
and as to Letters Patent, any reissue or re-examination thereof.ASSIGNOR(S) hereby covenant that no assignment, sale, grant, mortgage,
license, encumbrance or other agreement affecting the rights and property herein
conveyed has been or will be made or entered into, and that ASSIGNOR(S) have the
full right to convey the same.

(Assignment of Invention [16-3]-page 2 of 3)

ASSIGNOR(S) further agree that when requested, without charge to, but at the expense of ASSIGNEE, that ASSIGNOR(S) will: 1) execute, for all countries, all divisions, reissues, reexaminations, continuations, renewals, extensions and all other patent applications on any and all of the Inventions; 2) execute all rightful oaths and other papers; 3) communicate all facts known to ASSIGNOR(S) relating to the Inventions and the history thereof; 4) testify in all legal proceedings; and 5) generally do everything possible which Assignee, its successors, assigns and representatives shall consider desirable for aiding in securing, maintaining and/or enforcing ASSIGNEE'S rights and patent protection in said Inventions, and for vesting title therein in ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNOR(S) further agree that ASSIGNEE shall have and to hold the interests assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, reexaminations, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment not been made.

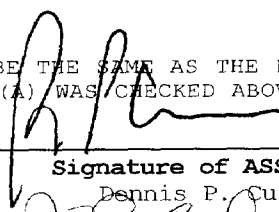
ASSIGNOR(S) further authorize and request the United States Commissioner of Patent and Trademarks and any corresponding foreign officer to issue to ASSIGNEE, its successors, assigns and legal representatives, any and all United States and foreign Letters Patent on the Inventions.

This Assignment of Invention may be executed by the parties in multiple counterparts, each of which shall be deemed an original.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal the signing indicated below.


WARNING: THE DATE OF SIGNING MUST BE THE SAME AS THE DATE OF EXECUTION OF THE APPLICATION, IF ITEM (A) WAS CHECKED ABOVE.

Date: 1/4/02



Signature of ASSIGNOR
Dennis P. Curran

Date: 1/4/02



Signature of ASSIGNOR
Qisheng Zhang

(if ASSIGNOR is a legal entity, complete the following information)

(TYPE OR PRINT THE NAME OF THE ABOVE PERSON AUTHORIZED TO SIGN ON BEHALF OF ASSIGNOR)

Title

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

[] Notarization or Legalization Page Added.