

Form PTO-1595 (Rev. 03/05)
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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)
 J. ROLAND PITTS
 PING LIU
 Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
 Name: Midwest Research Institute
 Internal Address: _____
 Street Address: 425 Volker Boulevard
 City: Kansas City
 State: MO
 Country: USA Zip: 64110
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
 Execution Date(s) August 19, 2005
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.
 A. Patent Application No.(s)
 11/207,844
 B. Patent No.(s)
 Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:
 Name: Paul J. White
 Internal Address: National Renewable Energy Laboratory
 Street Address: 1617 Cole Blvd.
 City: Golden
 State: CO Zip: 80401
 Phone Number: 303-384-7575
 Fax Number: 303-384-7499
 Email Address: paul_white@nrel.gov

6. Total number of applications and patents involved: ONE (1)
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
 a. Credit Card Last 4 Numbers _____
 Expiration Date _____
 b. Deposit Account Number 14-0460
 Authorized User Name Paul J. White

9. Signature: Paul J. White January 11, 2006
 Signature Date
 Paul J. White
 Name of Person Signing
 Total number of pages including cover sheet, attachments, and documents: 4

Documents to be recorded (including cover sheet) should be faxed to (703) 308-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 140460 11207844

ASSIGNMENT

WHEREAS, We, J. Roland Pitts of 2005 Applewood Drive, Lakewood, County of Jefferson, State of Colorado; and Ping Liu of 17 Bearpaw, Apt. 19C, Irvine, County of Orange, State of California, and having invented certain new and useful improvements in Photo-Oxidation Catalysts, which we are about to make application for Letters Patent of the United States, said application being identified as NREL IR No. 01-42 and; executed concurrently herewith; and;

WHEREAS, we now own the entire right, title and interest therein; and

WHEREAS, Midwest Research Institute, of 425 Volker Blvd., Kansas City, Missouri 64110, a corporation fully organized and existing under the laws of the State of Missouri is desirous of acquiring the entire right, title, and interest therein and thereto;

NOW THEREFORE, be it known that for good and other consideration to us in hand paid, the receipt of which is hereby acknowledged, we, the said J. Roland Pitts and Ping Liu by these presents do sell, assign, and transfer unto the said Midwest Research Institute, its successors, legal representatives and assigns, our entire right, title, and interest in and to said invention and the aforesaid application, for the United States of America and for all foreign countries and to all Letters Patents, continuations and reissues, and extensions to be obtained therefor; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this assignment to Midwest Research Institute, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal on the date set forth hereinafter.

[Signature]
Witness

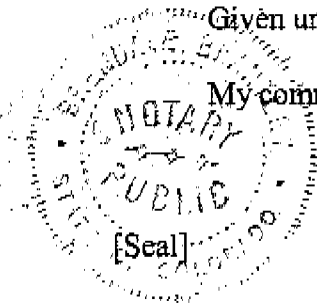
J. Roland Pitts
J. Roland Pitts

COUNTY OF JEFFERSON)
STATE OF COLORADO)

Before me, a Notary Public in and for the said County and State, personally appeared J. Roland Pitts is known to me to be the person whose name is subscribed to the foregoing, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office, this 18th day of August 2005.

My commission expires: October 4, 2005.



Brenda E. Brantley
BREND A E. BRANTLEY
NOTARY PUBLIC
STATE OF COLORADO

Approved and consented to this 11th day of January, Commission Expires 10/04/2009

ATTEST:

[Signature]

MIDWEST RESEARCH INSTITUTE

By Paul J. White
Paul J. White, Reg. No. 30,436
Its Senior Patent Counsel

[Signature]
Witness

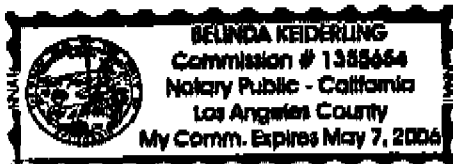
[Signature]
Ping Liu

COUNTY OF Los Angeles)
STATE OF CALIFORNIA)

Before me, a Notary Public in and for the said County and State, personally appeared Ping Liu, who is known to me to be the person whose name is subscribed to the foregoing, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office, this 12th day of December 2005

My commission expires: 5-7-06



Belinda Kederling
Notary Public