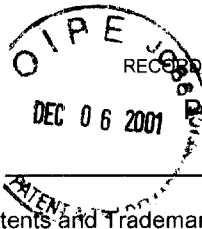


12-14-2001



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REGISTRATION FORM COVER SHEET

PATENTS ONLY

12-6-01

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copies thereof:

1. Name of Conveying Party or Parties:

Israel E. Wachs

Additional Names of conveying party or parties attached?

Yes No

2. Name and address of receiving party or parties:

Lehigh University
526 Brodhead Avenue
Bethlehem, PA

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Additional Name(s) and address(es) attached? Yes No

Execution Date: September 20, 2001

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 Number(s):

09/950,833

Additional Name(s) and address(es) attached? Yes No

B. Patent Number(s):

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

Joseph M. Skerpon
Banner & Witcoff, Ltd.
1001 G Street, N.W., Suite 1100
Washington, D.C. 20001-4597

6. Total Number of Applications and patents involved:

7. Total fee (37 CFR 3.41) \$ 40.00

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- Authorized to be charged to deposit account
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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 copy of the original document.

Joseph M. Skerpon, Reg. No. 29,864

Name of Person Signing

Signature

12-5-01

Date

Total Number of Pages including Cover Sheet: 3

ASSIGNMENT

WHEREAS, I, Israel E. Wachs, (hereinafter referred to as "Inventor") have co-invented, with Ray Bourne certain new and useful improvements in "*Vanadia-Titania/Metal-Molybdate Dual Catalyst Bed System and Process Using the Same for Methanol Oxidation to Formaldehyde*" set forth in U.S. Provisional Patent Application Serial Number 60/232,511 filed September 14, 2000 and filed as a U.S. utility application on September 13, 2001 claiming the benefit of that provisional application.

AND WHEREAS, Lehigh University, hereinafter referred to as "said University") a corporation duly organized, incorporated and existing under the Commonwealth of Pennsylvania and having a place of business at 526 Brodhead Avenue, Bethlehem, PA, is desirous of acquiring or confirming its acquisition of my entire right, title and interest in any invention, inventions, or improvements described in said Provisional Patent Application, and in and to any patent applications that may be filed thereon, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefor,

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that I, the Inventor, for good and valuable consideration, the receipt and sufficiency of which I HEREBY acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said University, its successor and assigns, my entire right, title and interest throughout the world, in and to any invention, inventions, or improvements described or set forth in U.S. Provisional Patent Application 60/232,511 in any form or embodiment thereof, and in and to any applications hereinafter filed in the United States or any foreign country based thereon including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on said invention, inventions, or improvements in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions, or improvements TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions, or improvements.

AND, I do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said invention to said University, its successors and assigns, as the assignee of my entire right, title and interest in and to the same, for the sole use and benefit of said University, its successors and assigns.

AND I do hereby covenant and warrant that I have full right to convey my entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens

whatsoever, and that I HAVE not executed and will not execute any instruments in conflict herewith.

AND I do hereby covenant and agree to and with the said University, its successors and assigns, that I, my executors, administrators, or other personal representatives, will do all lawful acts and things, make all rightful oaths, and make, execute, and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers, and other documents, which in the opinion of counsel for said University, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said University, its successors and assigns, my entire right, title and interest, in and to said invention, inventions, or improvements, applications or applications, patents, right, titles, benefits, privileges, and advantages hereby sold, assigned, confirmed, transferred, and conveyed.

IN WITNESS WHEREOF, I have hereunto set my hand on the date indicated below.

Israel E. Wachs
Israel E. Wachs

9/20/01
Date

D. J. [Signature]
Witness