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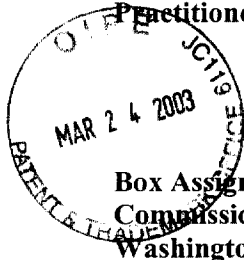


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PATENT TRADEMARK OFFICE

PATENT

Practitioner's Docket No. LAR 16390-1-SB



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Assignments  
Commissioner of Patents and Trade  
Washington, D.C. 20231

04-08-2003



3-24-03

102412789

ASSIGNMENT (DOCUMENT) COVER SHEET (37 C.F.R. § 3.31)

Attached please find an assignment (document) for recordal.

IDENTIFICATION OF APPLICATION(S) AND/OR PATENT(S)  
FOR ASSIGNMENT (DOCUMENT) RECORDAL  
(37 C.F.R. § 3.21 and 37 C.F.R. § 3.31(a)(4))

1. This assignment is for the following patent application and/or issued patent:

a. Non-provisional application: 10/342,660 filed on January 13, 2003

TOTAL NUMBER OF APPLICATIONS AND/OR PATENTS  
AND TOTAL FEE

2. A. The total number of applications and/or patents identified in this cover sheet is: 1.

B. The total fee is (37 C.F.R. Section 1.21(h)):

1 x \$40.00 = \$40.00

{00008250.1}

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10\*  
(When using Express Mail, the Express Mail label number is **mandatory**;  
Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

☒ deposited with the United States Postal Service in an envelope addressed to the Commissioner for Patents, Washington D.C. 20231

37 C.F.R. § 1.8(a)

37 C.F.R. § 1.10\*

☒ with sufficient postage as first class mail.

as "Express Mail Post Office to Addressee"

Mailing Label No. \_\_\_\_\_ (mandatory)

TRANSMISSION

G facsimile transmitted to the Patent and Trademark Office, (703) \_\_\_\_\_ - \_\_\_\_\_.

04/07/2003 ECOOPER 00000106 140116 10342660

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40.00 CH

Date: 3-17-03

Elaine C. McMahon

\* Only the date of filing (' 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under ' 1.8 continues to be taken into account in determining timeliness. See ' 1.703(f). Consider "Express Mail Post Office to Addressee" (' 1.10) or facsimile transmission (' 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

C. Payment of fee is made by:

Authorization is hereby made to charge the amount of \$40.00 to Deposit Account No. 14-0116.

Charge any additional fees required by this paper or credit any overpayment in the manner authorized above.

A duplicate of this paper is attached.

**NAME OF PARTY CONVEYING INTEREST  
(37 C.F.R. § 3.31(a)(1))**

3. The party conveying interest is:

Jeffrey D. Jordan

**NAME AND ADDRESS OF PARTY(IES) RECEIVING INTEREST  
(37 C.F.R. § (a)(2))**

4. The rights are being conveyed to:

United States of America as represented by the Administrator of the National Aeronautics and Space  
Administration  
Washington, D.C. 20546-0001

**DESCRIPTION OF INTEREST CONVEYED OR  
TRANSACTION RECORDED (37 C.F.R. § 3.31(a)(3))**

5. The accompanying document intends to accomplish an assignment.

**NAME AND ADDRESS OF PARTY TO WHOM  
CORRESPONDENCE SHOULD BE MAILED (37 C.F.R. § 3.31 (a)(5))**

6. Please address correspondence to:

Name: Helen M. Galus  
Address: NASA Langley Research Center  
Mail Stop 212  
3 Langley Boulevard  
Hampton, VA 23681-2199  
Telephone No.: 757-864-3227

**DATE ASSIGNMENT (DOCUMENT) EXECUTED  
(37 C.F.R. § 3.31(a)(7))**

7. The attached assignment (document) was executed on January 9, 2003.

**LANGUAGE OF ASSIGNMENT (DOCUMENT) TO BE RECORDED**

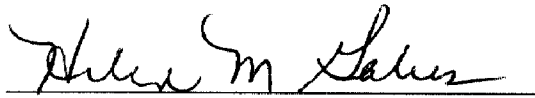
8. The attached document is in the English language.

**ORIGINAL DOCUMENT OR TRUE COPY SUBMITTED**

9. Submitted herewith is the original document.

**STATEMENT (37 C.F.R. § 3.31(a)(9)) AND  
SIGNATURE (37 C.F.R. § 3.31(a)(10))**

10. To the best of my knowledge and belief, the foregoing information is true and correct and the attached assignment is the original document.



Helen M. Galus  
Registration No. 40,615  
NASA Langley Research Center  
Mail Stop 212  
3 Langley Boulevard  
Hampton, VA 23681-2199  
757-864-3227  
Customer No. 23351

**TOTAL NUMBER OF PAGES BEING SUBMITTED**

11. The total number of pages being submitted, **including documents** is: 4



National  
Aeronautics and  
Space  
Administration



Patent Application

## Assignment to the Government (by Government Employee)

Title of Invention: Ruthenium Stabilization for Improved Oxidation/Reduction Catalyst Systems

Inventor(s): Jeffrey D. Jordan, Anthony Neal Watkins, Jacqueline L. Schryer, and Donald M. Oglesby

NASA Case No.: LAR 16390-1-SB Application No.\*: 10/342,660 Filing Date\*: 1-13-03

WHEREAS, the parties to this Assignment and Agreement are the undersigned inventor(s) and the United States Government (hereafter Government), as represented by the Administrator of the National Aeronautics and Space Administration;

WHEREAS, the making of this Assignment and Agreement is in accordance with 37 CFR Part 501; and

WHEREAS, the undersigned inventor(s) has (have) executed, on the date(s) indicated below, an application for United States Patent on the above-entitled invention.

NOW THEREFORE, in consideration of employment by the Government, the undersigned hereby:

1. Assign to the Government my (our) full and exclusive right in and to said invention within the United States of America, its territories and possessions, and my (our) entire right, title and interest in and to said application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom.

2. Agree to grant to the Government my (our) full and exclusive foreign rights in and to said invention, in accordance with 37 CFR 501.9(d), including rights of priority under the International Convention of Paris (1883), as amended. If the Government chooses not to file an application in any foreign country, I (we) may request rights in that country, in accordance with 37 CFR 501.9(d), and such rights will be subject to the reservation to the Government of a nonexclusive, irrevocable, royalty-free license in the invention with power to grant licenses for all governmental purposes. The terms of such reservation will appear, where practicable, in any foreign patent which may issue on such invention.

3. Agree, at the expense of the Government, (a) to execute any document for, (b) to deliver any requested information to, and (c) to cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment and Agreement.

\*4. Authorize and request the attorneys of record in the application to insert the application number and filing date above when required.

Jeffrey D. Jordan 1/9/03 \_\_\_\_\_  
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

Jeffrey D. Jordan 3909 Strawberry Plains Road, Williamsburg, VA 23188, US  
(Inventor's Typed Name) (Mailing Address - Including Country)

\_\_\_\_\_  
(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

\_\_\_\_\_  
(Inventor's Typed Name) (Mailing Address - Including Country)

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(Signature of Inventor) (Date Assignment Executed) (Date Application Executed)

\_\_\_\_\_  
(Inventor's Typed Name) (Mailing Address - Including Country)